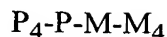


WHAT IS CLAIMED IS:

1. A compound of Formula I:



I

- 5 or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

M is a 3-10 membered carbocycle or a 4-10 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)_p, N, and NZ²;

ring M is substituted with 0-3 R^{1a} and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

- 10 P is fused onto ring M and is a 5, 6, or 7 membered carbocycle or a 5, 6, or 7 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)_p, and N;

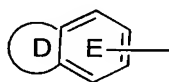
ring P is substituted with 0-3 R^{1a} and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

- 15 alternatively, ring P is absent and P₄ is directly attached to ring M, provided that when ring P is absent, P₄ and M₄ are attached to the 1,2, 1,3, or 1,4 positions of ring M;

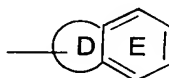
one of P₄ and M₄ is -Z-A-B and the other -G₁-G;

G is a group of formula IIa or IIb:

20



IIa



IIb

- 25 ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

- 30 alternatively, ring D is absent and ring E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, pyridazinyl, pyrrolyl, pyrazolyl, imidazolyl, isoxazolyl, oxazolyl, triazolyl, thienyl, and thiazolyl, and ring E is substituted with 1-3 R;

alternatively, ring D is absent and ring E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, pyridazinyl, pyrrolyl, pyrazolyl, imidazolyl, isoxazolyl, oxazolyl, triazolyl, thienyl, and thiazolyl, and ring E is substituted with 1 R and with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, wherein the 5-6 membered heterocycle is substituted with 0-2 carbonyls and 1-2 R and there are 0-3 ring double bonds;

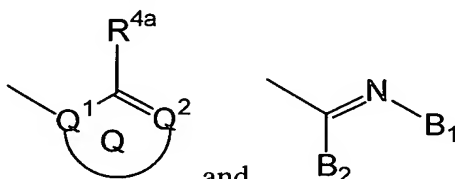
R is selected from H, C₁₋₄ alkyl, F, Cl, Br, I, OH, OCH₃, OCH₂CH₃, OCH(CH₃)₂, OCH₂CH₂CH₃, -CN, NH₂, NH(C₁₋₃ alkyl), N(C₁₋₃ alkyl)₂, C(=NH)NH₂, CH₂NH₂, CH₂NH(C₁₋₃ alkyl), CH₂N(C₁₋₃ alkyl)₂, CH₂CH₂NH₂, CH₂CH₂NH(C₁₋₃ alkyl), CH₂CH₂N(C₁₋₃ alkyl)₂, C(=NR⁸)NR⁷R⁹, NHC(=NR⁸)NR⁷R⁹, ONHC(=NR⁸)NR⁷R⁹, NR⁸CH(=NR⁷), (CR⁸R⁹)_tC(O)H, (CR⁸R⁹)_tC(O)R^{2c}, (CR⁸R⁹)_tNR⁷R⁸, (CR⁸R⁹)_tC(O)NR⁷R⁸, (CR⁸R⁹)_tNR⁷C(O)R⁷, (CR⁸R⁹)_tOR³, (CR⁸R⁹)_tS(O)_pNR⁷R⁸, (CR⁸R⁹)_tNR⁷S(O)_pR⁷, (CR⁸R⁹)_tSR³, (CR⁸R⁹)_tS(O)R³, (CR⁸R⁹)_tS(O)₂R³, and OCF₃;

alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from:

C₃₋₁₀ carbocycle substituted with 0-2 R⁴, and

5-12 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R⁴;



B is selected from the first structure and the second structure; provided that Z and B are attached to different atoms on A and that the R^{4a} shown is other than OH;

Q¹ and Q² are each N;

alternatively, one of Q¹ and Q² is CR³ and R^{4a} is NR²R^{2a} or NR^{3a}B₁,

provided that when one of Q¹ and Q² is CR³, then this R³ group optionally forms a ring with the R² group of R^{4a}, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)_p, and this ring is substituted with 0-1 R⁵;

ring Q is a 5-8 membered ring consisting of, in addition to the $Q^1-CR^{4a}=Q^2$ group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and $S(O)_p$, and the ring is substituted with an additional 0-2 R^{4a} ;

B_1 is selected from SO_2R^{3b} , $C(O)R^{3b}$, $SO_2NR^{3R^{3b}}$, $C(O)NR^{3R^{3b}}$, OR^2 , SR^2 ,
5 -CN, and NO_2 ;

B_2 is NR^2R^{2d} or $CR^3R^2R^{2d}$;

alternatively, $CR^3R^2R^{2d}$ forms a 5-8 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

10 alternatively, NR^2R^{2d} forms a 5-8 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

alternatively, when B_1 is SO_2R^{3b} and B_2 is NR^2R^{2d} , R^{3b} and R^{2d} combine to form a 5-8 membered ring consisting of: carbon atoms and 0-2 additional
15 heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

alternatively, when B_1 is $C(O)R^{3b}$ and B_2 is NR^2R^{2d} , R^{3b} and R^{2d} combine to form a 5-8 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

alternatively, when B_2 is NR^2R^{2d} , B_1 and R^{2d} combine to form a 5-8
20 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, is selected from SO_2R^{3b} , $C(O)R^{3b}$, and -CN;

G_1 is absent or is selected from $(CR^3R^{3a})_{1-5}$,

25 $(CR^3R^{3a})_{0-2}CR^3=CR^3(CR^3R^{3a})_{0-2}$, $(CR^3R^{3a})_{0-2}C\equiv C(CR^3R^{3a})_{0-2}$,
 $(CR^3R^{3a})_uC(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_uC(O)O(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_uOC(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_uO(CR^3R^{3a})_w$, $(CR^3R^{3a})_uNR^{3b}(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_uC(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_uNR^{3b}C(O)(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_uOC(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_uNR^{3b}C(O)O(CR^3R^{3a})_w$,

- $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{C}(\text{S})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})_2(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{S}(\text{O})_2(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})_2\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{S}(\text{O})_2\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$,
5 $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3e}(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$,
 $(\text{CR}^3\text{R}^{3a})_u\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$,
10 $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3a})_w$, $(\text{CR}^3\text{R}^{3a})_u\text{C}(\text{O})\text{NR}^{3b}\text{S}(\text{O})_2(\text{CR}^3\text{R}^{3a})_w$, and
 $(\text{CR}^3\text{R}^{3a})_u\text{S}(\text{O})_2\text{NR}^{3b}\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3a})_w$, wherein $u+w$ or $u+u+w$ total 0, 1, 2, 3, or
4, and the right side of G_1 is attached to G , provided that G_1 does not form a N-S,
NCH₂N, NCH₂O, or NCH₂S bond with either group to which it is attached;
Z is selected from a bond, $-(\text{CR}^3\text{R}^{3e})_{1-4}-$, $(\text{CR}^3\text{R}^{3e})_q\text{O}(\text{CR}^3\text{R}^{3e})_{q1}$,
15 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{O}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{OC}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{OC}(\text{O})\text{O}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{OC}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{C}(\text{O})\text{O}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$,
20 $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{S}(\text{CR}^3\text{R}^{3e})_{q1}$,
25 $(\text{CR}^3\text{R}^{3e})_q\text{S}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{S}(\text{O})_2(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{SO}_2\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{SO}_2(\text{CR}^3\text{R}^{3e})_{q1}$,
 $(\text{CR}^3\text{R}^{3e})_q\text{S}(\text{O})\text{NR}^{3b}\text{C}(\text{O})(\text{CR}^3\text{R}^{3e})_{q1}$, $(\text{CR}^3\text{R}^{3e})_q\text{C}(\text{O})\text{NR}^{3b}\text{S}(\text{O})_2(\text{CR}^3\text{R}^{3e})_{q1}$, and
 $(\text{CR}^3\text{R}^{3e})_q\text{NR}^{3b}\text{SO}_2\text{NR}^{3b}(\text{CR}^3\text{R}^{3e})_{q1}$, wherein $q+q1$ or $q+q+q1$ total 0, 1, 2, 3, or 4,

and the right side of Z is attached to A, provided that Z does not form a N-S, NCH₂N, NCH₂O, or NCH₂S bond with either group to which it is attached;

Z² is selected from H, S(O)₂NHR^{3b}, C(O)R^{3b}, C(O)NHR^{3b}, C(O)OR^{3f}, S(O)R^{3f}, S(O)₂R^{3f}, C₁₋₆ alkyl substituted with 0-2 R^{1a}, C₂₋₆ alkenyl substituted with 0-2 R^{1a}, C₂₋₆ alkynyl substituted with 0-2 R^{1a}, -(C₀₋₄ alkyl)-C₃₋₁₀ carbocycle substituted with 0-3 R^{1a}, and -(C₀₋₄ alkyl)-5-10 membered heterocycle substituted with 0-3 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p;

R^{1a}, at each occurrence, is selected from H, -(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-CR³R^{1b}R^{1b}, -(CR³R^{3a})_r-O-(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-NR²-(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-S(O)_p-(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-CO₂-(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-C(O)NR²-(CR³R^{3a})_r-R^{1b}, -(CR³R^{3a})_r-C(O)-(CR³R^{3a})_r-R^{1b}, -C₂₋₆ alkenylene-R^{1b}, -C₂₋₆ alkynylene-R^{1b}, and -(CR³R^{3a})_r-C(=NR^{1b})NR³R^{1b}, provided that R^{1a} forms other than an N-halo, N-S, O-O, or N-CN bond;

alternatively, when two R^{1a} groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p, this ring being substituted with 0-2 R^{4b} and 0-3 ring double bonds;

R^{1b} is selected from H, C₁₋₃ alkyl, F, Cl, Br, I, -CN, -NO₂, -CHO, (CF₂)_rCF₃, (CR³R^{3a})_rOR², NR²R^{2a}, C(O)R^{2b}, CO₂R^{2b}, OC(O)R², CH(CH₂OR²)₂, (CF₂)_rCO₂R^{2a}, S(O)_pR^{2b}, NR²(CH₂)_rOR², C(=NR^{2c})NR²R^{2a}, NR²C(O)R^{2b}, NR²C(O)NR²R^{2a}, NR²C(O)₂R^{2a}, OC(O)NR²R^{2a}, C(O)NR²R^{2a}, C(O)NR²(CH₂)_rOR², SO₂NR²R^{2a}, NR²SO₂R², C(O)NR²SO₂R², C₃₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-10 membered heterocycle substituted with 0-2 R^{4b} and consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, provided that R^{1b} forms other than an O-O, N-halo, N-S, or N-CN bond;

R^2 , at each occurrence, is selected from H , CF_3 , C_{1-6} alkyl, $-(CH_2)_r-C_{3-10}$ carbocycle substituted with 0-2 R^{4b} , and $-(CH_2)_r-5-10$ membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-2 R^{4b} ;

5 R^{2a} , at each occurrence, is selected from H , CF_3 , C_{1-6} alkyl, $-(CH_2)_r-C_{3-10}$ carbocycle substituted with 0-2 R^{4b} , and $-(CH_2)_r-5-10$ membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-2 R^{4b} ;

alternatively, NR^2R^{2a} forms a 5 or 6 membered saturated, partially saturated,
10 or unsaturated ring substituted with 0-2 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N , O , and $S(O)_p$;

R^{2b} , at each occurrence, is selected from CF_3 , C_{1-4} alkoxy substituted with 0-2 R^{4b} , C_{1-6} alkyl substituted with 0-2 R^{4b} , $-(CH_2)_r-C_{3-10}$ carbocycle substituted with
15 0-2 R^{4b} , and $-(CH_2)_r-5-10$ membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2c} , at each occurrence, is selected from CF_3 , OH , C_{1-4} alkoxy, C_{1-6} alkyl, $-(CH_2)_r-C_{3-10}$ carbocycle substituted with 0-2 R^{4b} , and $-(CH_2)_r-5-10$ membered
20 heterocycle containing from 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2d} , at each occurrence, is selected from H , CF_3 , C_{1-4} alkoxy substituted with 0-2 R^{4b} , C_{1-6} alkyl substituted with 0-2 R^{4b} , $-(CH_2)_r-C_{3-10}$ carbocycle substituted with 0-2 R^{4b} , and $-(CH_2)_r-5-10$ membered heterocycle consisting of: carbon atoms
25 and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^3 , at each occurrence, is selected from H , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, benzyl, and phenyl;

R^{3a} , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, benzyl, and phenyl;

alternatively, NR^3R^{3a} forms a 5 or 6 membered saturated, partially
 5 unsaturated, or unsaturated ring consisting of: carbon atoms, the nitrogen atom to which R^3 and R^{3a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

R^{3b} , at each occurrence, is selected from H, CF_3 , C_{1-6} alkyl substituted with 0-2 R^{1a} , C_{2-6} alkenyl substituted with 0-2 R^{1a} , C_{2-6} alkynyl substituted with 0-2 R^{1a} ,
 10 $-(C_{0-4}$ alkyl)-5-10 membered carbocycle substituted with 0-3 R^{1a} , and $-(C_{0-4}$ alkyl)-5-10 membered heterocycle substituted with 0-3 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

R^{3c} , at each occurrence, is selected from CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, benzyl,
 15 and phenyl;

R^{3d} , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, C_{1-4} alkyl-phenyl, and $C(=O)R^{3c}$;

R^{3e} , at each occurrence, is selected from H, SO_2NHR^3 , $SO_2NR^3R^3$, $C(O)R^3$,
 20 $C(O)NHR^3$, $C(O)OR^{3f}$, $S(O)R^{3f}$, $S(O)_2R^{3f}$, C_{1-6} alkyl substituted with 0-2 R^{1a} , C_{2-6} alkenyl substituted with 0-2 R^{1a} , C_{2-6} alkynyl substituted with 0-2 R^{1a} , $-(C_{0-4}$ alkyl)-5-10 membered carbocycle substituted with 0-3 R^{1a} , and $-(C_{0-4}$ alkyl)-5-10 membered heterocycle substituted with 0-3 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

25 R^{3f} , at each occurrence, is selected from: C_{1-6} alkyl substituted with 0-2 R^{1a} , C_{2-6} alkenyl substituted with 0-2 R^{1a} , C_{2-6} alkynyl substituted with 0-2 R^{1a} , $-(C_{0-4}$ alkyl)-5-10 membered carbocycle substituted with 0-3 R^{1a} , and $-(C_{0-4}$ alkyl)-5-10 membered heterocycle substituted with 0-3 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

- R^4 , at each occurrence, is selected from H, =O, $(CR^3R^{3a})_rOR^2$, F, Cl, Br, I, C_{1-4} alkyl, $(CR^3R^{3a})_rCN$, $(CR^3R^{3a})_rNO_2$, $(CR^3R^{3a})_rNR^2R^{2a}$, $(CR^3R^{3a})_rC(O)R^{2c}$, $(CR^3R^{3a})_rNR^2C(O)R^{2b}$, $(CR^3R^{3a})_rC(O)NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2C(O)NR^2R^{2a}$, $(CR^3R^{3a})_rC(=NR^2)NR^2R^{2a}$, $(CR^3R^{3a})_rC(=NS(O)_2R^5)NR^2R^{2a}$,
 5 $(CR^3R^{3a})_rNHC(=NR^2)NR^2R^{2a}$, $(CR^3R^{3a})_rC(O)NHC(=NR^2)NR^2R^{2a}$, $(CR^3R^{3a})_rSO_2NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2SO_2NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2SO_2-C_{1-4}$ alkyl, $(CR^3R^{3a})_rNR^2SO_2R^5$, $(CR^3R^{3a})_rS(O)_pR^{5a}$, $(CR^3R^{3a})_r(CF_2)_rCF_3$, $NHCH_2R^{1b}$, OCH_2R^{1b} , SCH_2R^{1b} , $NH(CH_2)_2(CH_2)_tR^{1b}$, $O(CH_2)_2(CH_2)_tR^{1b}$, $S(CH_2)_2(CH_2)_tR^{1b}$, $(CR^3R^{3a})_r$ -5-6 membered carbocycle substituted with 0-1 R^5 , and a $(CR^3R^{3a})_r$ -5-6
 10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;

- R^{4a} , at each occurrence, is selected from H, $(CR^3R^{3a})_rOR^2$, $(CR^3R^{3a})_rF$, $(CR^3R^{3a})_rBr$, $(CR^3R^{3a})_rCl$, C_{1-4} alkyl, $(CR^3R^{3a})_rCN$, $(CR^3R^{3a})_rNO_2$, $(CR^3R^{3a})_rNR^2R^{2a}$, $(CR^3R^{3a})_rC(O)R^{2c}$, $(CR^3R^{3a})_rNR^2C(O)R^{2b}$,
 15 $(CR^3R^{3a})_rC(O)NR^2R^{2a}$, $(CR^3R^{3a})_rN=CHOR^3$, $(CR^3R^{3a})_rC(O)NH(CH_2)_2NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2C(O)NR^2R^{2a}$, $(CR^3R^{3a})_rC(=NR^2)NR^2R^{2a}$, $(CR^3R^{3a})_rNHC(=NR^2)NR^2R^{2a}$, $(CR^3R^{3a})_rSO_2NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2SO_2NR^2R^{2a}$, $(CR^3R^{3a})_rNR^2SO_2-C_{1-4}$ alkyl, $(CR^3R^{3a})_rC(O)NHSO_2-C_{1-4}$ alkyl, $(CR^3R^{3a})_rNR^2SO_2R^5$, $(CR^3R^{3a})_rS(O)_pR^{5a}$, $(CR^3R^{3a})_r(CF_2)_rCF_3$, $(CR^3R^{3a})_r$ -5-6
 20 membered carbocycle substituted with 0-1 R^5 , and a $(CR^3R^{3a})_r$ -5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;

- R^{4b} , at each occurrence, is selected from H, =O, $(CH_2)_rOR^3$, $(CH_2)_rF$, $(CH_2)_rCl$, $(CH_2)_rBr$, $(CH_2)_rI$, C_{1-4} alkyl, $(CH_2)_rCN$, $(CH_2)_rNO_2$, $(CH_2)_rNR^3R^{3a}$,
 25 $(CH_2)_rC(O)R^3$, $(CH_2)_rC(O)OR^{3c}$, $(CH_2)_rNR^3C(O)R^{3a}$, $(CH_2)_rC(O)NR^3R^{3a}$, $(CH_2)_rNR^3C(O)NR^3R^{3a}$, $(CH_2)_rC(=NR^3)NR^3R^{3a}$, $(CH_2)_rNR^3C(=NR^3)NR^3R^{3a}$, $(CH_2)_rSO_2NR^3R^{3a}$, $(CH_2)_rNR^3SO_2NR^3R^{3a}$, $(CH_2)_rNR^3SO_2-C_{1-4}$ alkyl, $(CH_2)_rNR^3SO_2CF_3$, $(CH_2)_rNR^3SO_2$ -phenyl, $(CH_2)_rS(O)_pCF_3$, $(CH_2)_rS(O)_p-C_{1-4}$ alkyl, $(CH_2)_rS(O)_p$ -phenyl, and $(CH_2)_r(CF_2)_rCF_3$;

R^5 , at each occurrence, is selected from H, C_{1-6} alkyl, $=O$, $(CH_2)_rOR^3$, F, Cl, Br, I, $-CN$, NO_2 , $(CH_2)_rNR^3R^{3a}$, $(CH_2)_rC(O)R^3$, $(CH_2)_rC(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $NR^3C(O)NR^3R^{3a}$, $CH(=NOR^{3d})$, $C(=NR^3)NR^3R^{3a}$, $NR^3C(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, 5 $NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $S(O)_pCF_3$, $S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, $(CF_2)_rCF_3$, phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 ;

R^{5a} , at each occurrence, is selected from C_{1-6} alkyl, $(CH_2)_rOR^3$, $(CH_2)_rNR^3R^{3a}$, $(CH_2)_rC(O)R^3$, $(CH_2)_rC(O)OR^{3c}$, $(CH_2)_rNR^3C(O)R^{3a}$, 10 $(CH_2)_rC(O)NR^3R^{3a}$, $(CF_2)_rCF_3$, phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 , provided that R^{5a} does not form a S-N or $S(O)_p-C(O)$ bond;

R^6 , at each occurrence, is selected from H, OH, $(CH_2)_rOR^2$, halo, C_{1-4} alkyl, -CN, NO_2 , $(CH_2)_rNR^2R^{2a}$, $(CH_2)_rC(O)R^{2b}$, $NR^2C(O)R^{2b}$, $NR^2C(O)NR^2R^{2a}$, 15 $C(=NH)NH_2$, $NHC(=NH)NH_2$, $SO_2NR^2R^{2a}$, $NR^2SO_2NR^2R^{2a}$, and $NR^2SO_2C_{1-4}$ alkyl;

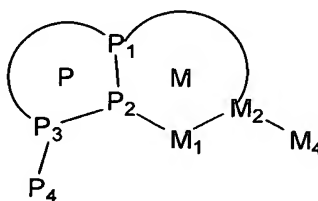
R^7 , at each occurrence, is selected from H, OH, C_{1-6} alkyl, C_{1-6} alkyl- $C(O)-$, C_{1-6} alkyl-O-, $(CH_2)_n$ -phenyl, C_{1-6} alkyl- $S(O)_2-$, $C(O)NH_2$, $C(O)NH-C_{1-4}$ alkyl, $C(O)N(C_{1-4} \text{ alkyl})_2$, C_{1-4} alkyl- $OC(O)-$, C_{6-10} aryl-O-, C_{6-10} aryl- $OC(O)-$, C_{6-10} aryl- 20 $CH_2C(O)-$, C_{1-4} alkyl- $C(O)O-C_{1-4}$ alkyl- $OC(O)-$, C_{6-10} aryl- $C(O)O-C_{1-4}$ alkyl- $OC(O)-$, C_{1-6} alkyl- $NH_2-C(O)-$, phenyl- $NH_2-C(O)-$, and phenyl- C_{1-4} alkyl- $C(O)-$;

R^8 , at each occurrence, is selected from H, C_{1-6} alkyl, and $(CH_2)_n$ -phenyl; alternatively, NR^7R^8 forms a 5-10 membered heterocyclic ring consisting of carbon atoms and 0-2 additional heteroatoms selected from the group consisting of N, 25 O, and $S(O)_p$;

R^9 , at each occurrence, is selected from H, C_{1-6} alkyl, and $(CH_2)_n$ -phenyl; n, at each occurrence, is selected from 0, 1, 2, and 3; p, at each occurrence, is selected from 0, 1, and 2; r, at each occurrence, is selected from 0, 1, 2, 3, 4, 5, and 6; 30 r1, at each occurrence, is selected from 1, 2, 3, 4, 5, and 6; and

t, at each occurrence, is selected from 0, 1, 2, and 3.

2. A compound according to Claim 1, wherein the compound is of Formula II:



II

or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

ring M, including P₁, P₂, M₁, and M₂, is a 5, 6, or 7 membered carbocycle or a 5, 6, or 7 membered heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)_p, N, and NZ²;

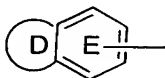
ring M is substituted with 0-2 R^{1a} and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

ring P, including P₁, P₂, and P₃, is a 5 or 6 membered aromatic or dihydro-aromatic heterocycle, consisting of: carbon atoms and 1-3 heteroatoms selected from O, S(O)_p, and N;

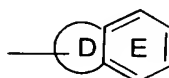
ring P is substituted with 0-2 R^{1a};

one of P₄ and M₄ is -Z-A-B and the other -G₁-G;

G is a group of formula IIa or IIb:



IIa



IIb

ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

alternatively, ring D is absent, and ring E is selected from phenyl, pyridyl, pyrimidyl, and thienyl, and ring E is substituted with 1-3 R;

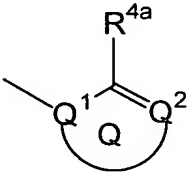
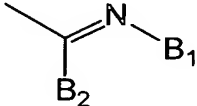
alternatively, ring D is absent, ring E is selected from phenyl, pyridyl, and thienyl, and ring E is substituted with 1 R and substituted with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, wherein the 5-6 membered heterocycle is substituted

5 with 0-2 carbonyl and 1-2 R and there are 0-3 ring double bonds;

R is selected from H, C₁₋₄ alkyl, F, Cl, OH, OCH₃, OCH₂CH₃, OCH(CH₃)₂, -CN, C(=NH)NH₂, C(=NH)NHOH, C(=NH)NHOCH₃, NH₂, NH(C₁₋₃ alkyl), N(C₁₋₃ alkyl)₂, CH₂NH₂, CH₂NH(C₁₋₃ alkyl), CH₂N(C₁₋₃ alkyl)₂, (CR⁸R⁹)_tNR⁷R⁸, C(O)NR⁷R⁸, CH₂C(O)NR⁷R⁸, S(O)_pNR⁷R⁸, CH₂S(O)_pNR⁷R⁸, SO₂R³, and OCF₃;

10 alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from: C₅₋₁₀ carbocycle substituted with 0-2 R⁴, and 5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R⁴;

15 B is selected from  and ; provided that Z and B are attached to different atoms on A and that the R^{4a} shown is other than OH;

Q¹ and Q² are each N;

alternatively, one of Q¹ and Q² is CR³ and R^{4a} is NR²R^{2a} or NR^{3a}B₁, provided that when one of Q¹ and Q² is CR³, then this R³ group optionally forms a
20 ring with the R² group of R^{4a}, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)_p, and this ring is substituted with 0-1 R⁵;

ring Q is a 5-6 membered ring consisting of, in addition to the Q¹-CR^{4a}=Q² group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)_p, and
25 the ring is substituted with an additional 0-2 R^{4a};

B₁ is selected from SO₂R^{3b}, C(O)R^{3b}, SO₂NR³R^{3b}, C(O)NR³R^{3b}, OR², and -CN;

B_2 is NR^2R^{2d} or $CR^3R^2R^{2d}$;

alternatively, $CR^3R^2R^{2d}$ forms a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

5 alternatively, NR^2R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

alternatively, when B_2 is NR^2R^{2d} , B_1 and R^{2d} combine to form a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, is selected from SO_2R^{3b} and $C(O)R^{3b}$;

15 Z is selected from a bond, CH_2 , CH_2CH_2 , CH_2O , OCH_2 , $C(O)$, NH , CH_2NH , $NHCH_2$, $CH_2C(O)$, $C(O)CH_2$, $C(O)NH$, $NHC(O)$, $NHC(O)CH_2C(O)NH$, $S(O)_2$, $CH_2S(O)_2$, $S(O)_2(CH_2)$, SO_2NH , and $NHSO_2$, wherein the right side of Z is attached to A, provided that Z does not form a N-S, NCH_2N , NCH_2O , or NCH_2S bond with either group to which it is attached;

Z^2 is selected from H, C_{1-4} alkyl, phenyl, benzyl, $C(O)R^{3b}$, $S(O)R^{3f}$, and $S(O)_2R^{3f}$;

20 R^{1a} , at each occurrence, is selected from H, $-(CH_2)_r-R^{1b}$, $-(CH(CH_3))_r-R^{1b}$, $-(C(CH_3)_2)_r-R^{1b}$, $-O-(CR^3R^{3a})_r-R^{1b}$, $-NR^2-(CR^3R^{3a})_r-R^{1b}$, and $-S-(CR^3R^{3a})_r-R^{1b}$, provided that R^{1a} forms other than an N-halo, N-S, O-O, or N-CN bond;

alternatively, when two R^{1a} groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and $S(O)_p$, this ring being substituted with 0-2 R^{4b} and 0-3 ring double bonds;

25 R^{1b} is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, F, Cl, Br, I, -CN, -CHO, CF_3 , OR^2 , NR^2R^{2a} , $C(O)R^{2b}$, CO_2R^{2b} , $OC(O)R^2$, CO_2R^{2a} , $S(O)_pR^{2b}$, $NR^2(CH_2)_rOR^2$, $NR^2C(O)R^{2b}$, $NR^2C(O)NHR^2$, $NR^2C(O)_2R^{2a}$, $OC(O)NR^2R^{2a}$,

C(O)NR²R^{2a}, C(O)NR²(CH₂)_rOR², SO₂NR²R^{2a}, NR²SO₂R², C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, and substituted with 0-2 R^{4b}, provided that R^{1b} forms other than an O-O, N-halo, N-S, or
 5 N-CN bond;

R², at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, a -CH₂-C₅₋₆ carbocyclic group substituted with 0-2 R^{4b}, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4
 10 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R^{2a}, at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b},
 15 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

alternatively, NR²R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R² and R^{2a} are attached, and 0-1 additional heteroatoms
 20 selected from the group consisting of N, O, and S(O)_p;

R^{2b}, at each occurrence, is selected from CF₃, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b},
 25 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R^{2c}, at each occurrence, is selected from CF₃, OH, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle containing from 1-4

heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R^{2d}, at each occurrence, is selected from H, CF₃, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
 5 C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R³, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

10 R^{3a}, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

alternatively, NR³R^{3a} forms a 5 or 6 membered saturated, partially unsaturated, or unsaturated ring consisting of: carbon atoms and the nitrogen atom to which R³ and R^{3a} are attached;

15 R^{3b}, at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, -(C₀₋₁ alkyl)-5-6 membered carbocycle substituted with 0-1 R^{1a}, and -(C₀₋₁ alkyl)-5-6 membered heterocycle substituted with 0-1 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p;

20 R^{3c}, at each occurrence, is selected from CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

R^{3d}, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂-phenyl, CH₂CH₂-phenyl, and C(=O)R^{3c};

R⁴, at each occurrence, is selected from H, =O, OR², CH₂OR², (CH₂)₂OR², F, Cl, Br, I, C₁₋₄ alkyl, -CN, NO₂, NR²R^{2a}, CH₂NR²R^{2a}, (CH₂)₂NR²R^{2a}, C(O)R^{2c},
 25 NR²C(O)R^{2b}, C(O)NR²R^{2a}, SO₂NR²R^{2a}, S(O)_pR^{5a}, CF₃, CF₂CF₃, 5-6 membered carbocycle substituted with 0-1 R⁵, and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-1 R⁵;

R^{4a} , at each occurrence, is selected from H, CH_2OR^2 , OR^2 , C_{1-4} alkyl, -CN, CH_2CN , NO_2 , CH_2NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $CH_2C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $(CH_2)_rC(O)NR^2R^{2a}$, $NR^2C(O)NR^2R^{2a}$, $(CH_2)_rSO_2NR^2R^{2a}$, $NR^2SO_2NR^2R^{2a}$, $NR^2SO_2R^5$, $(CH_2)_rS(O)_pR^{5a}$, CH_2CF_3 , CF_3 , 5-6 membered
 5 carbocycle substituted with 0-1 R^5 , CH_2 -5-6 membered carbocycle substituted with 0-1 R^5 , a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 , and a CH_2 -5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted
 10 with 0-1 R^5 ;

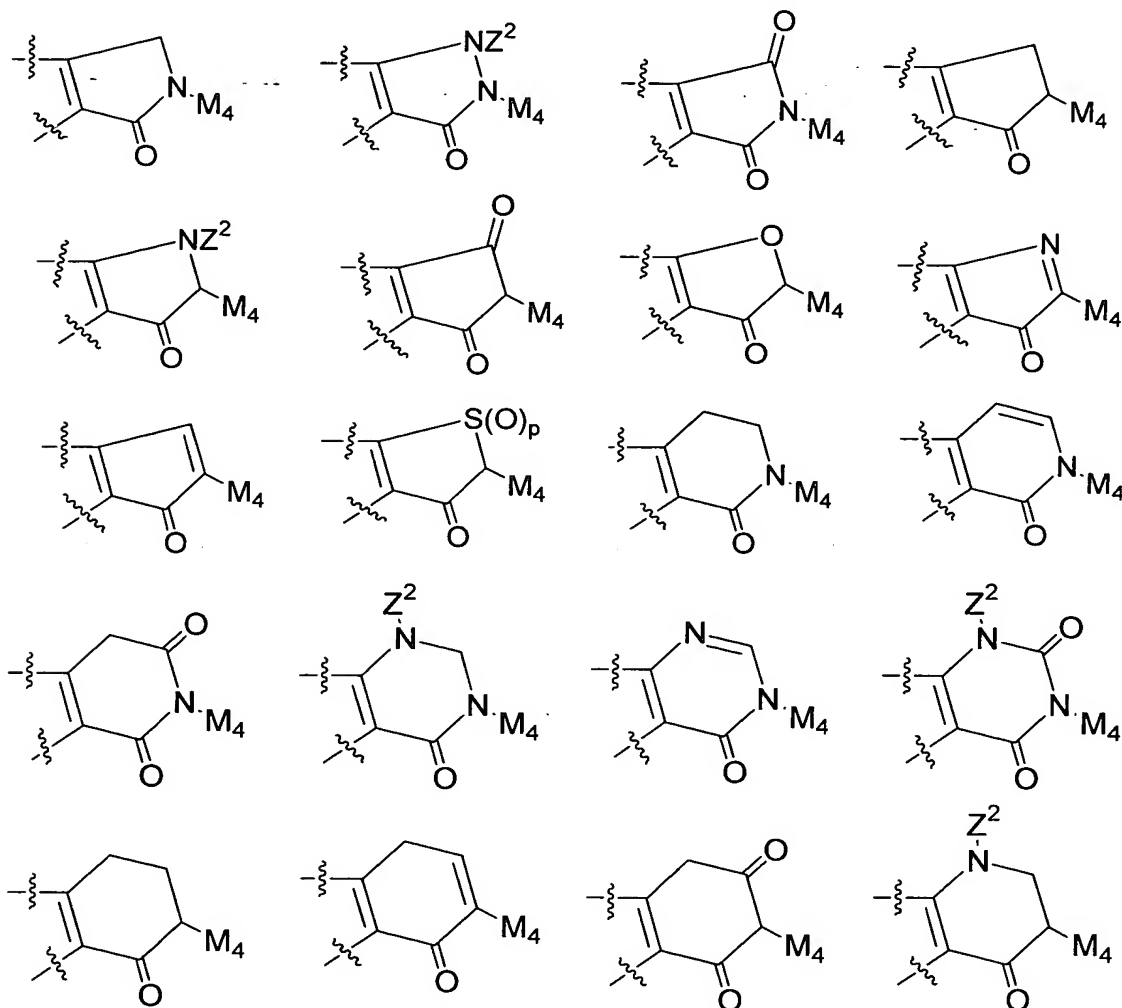
R^{4b} , at each occurrence, is selected from H, =O, OR^3 , CH_2OR^3 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $CH_2NR^3C(O)R^{3a}$,
 15 $C(O)NR^3R^{3a}$, $CH_2C(O)NR^3R^{3a}$, $NR^3C(O)NR^3R^{3a}$, $CH_2NR^3C(O)NR^3R^{3a}$, $C(=NR^3)NR^3R^{3a}$, $CH_2C(=NR^3)NR^3R^{3a}$, $NR^3C(=NR^3)NR^3R^{3a}$, $CH_2NR^3C(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $CH_2SO_2NR^3R^{3a}$, $NR^3SO_2NR^3R^{3a}$, $CH_2NR^3SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, $CH_2NR^3SO_2-C_{1-4}$ alkyl, $NR^3SO_2CF_3$, $CH_2NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $CH_2NR^3SO_2$ -phenyl, $S(O)_pCF_3$, $CH_2S(O)_pCF_3$,
 20 $S(O)_p-C_{1-4}$ alkyl, $CH_2S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, $CH_2S(O)_p$ -phenyl, CF_3 , and CH_2CF_3 ;

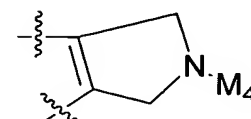
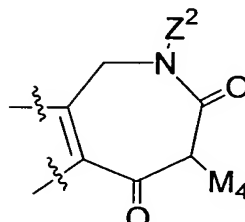
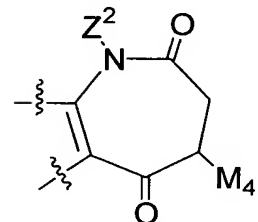
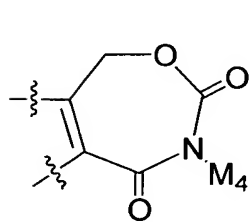
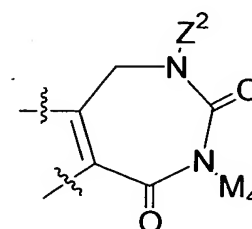
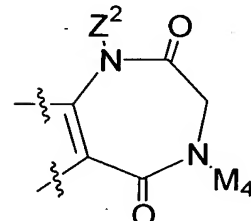
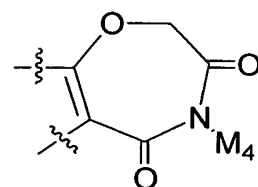
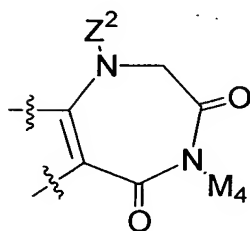
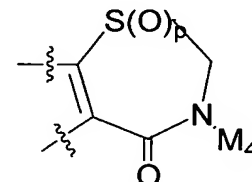
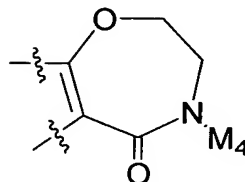
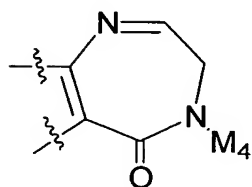
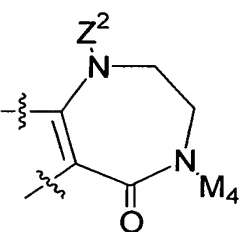
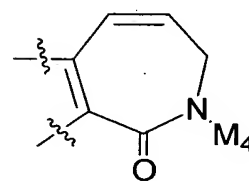
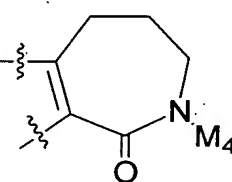
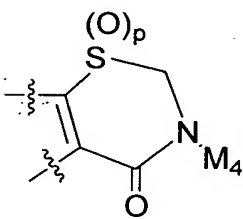
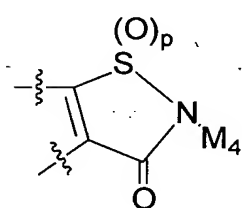
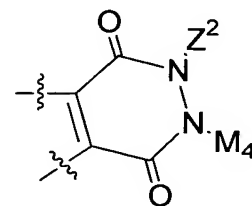
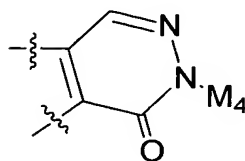
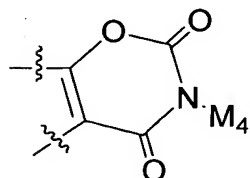
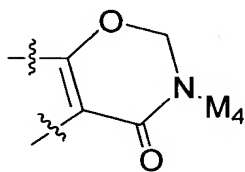
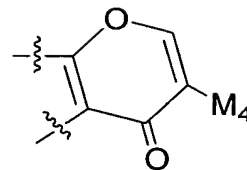
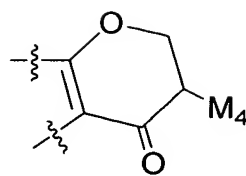
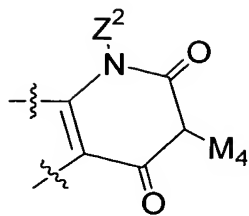
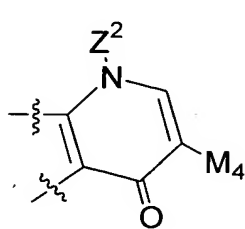
R^5 , at each occurrence, is selected from H, =O, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, OR^3 , CH_2OR^3 , F, Cl, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$,
 25 $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $NR^3C(O)NR^3R^{3a}$, $CH(=NOR^{3d})$, $C(=NR^3)NR^3R^{3a}$, $NR^3C(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, $NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $S(O)_pCF_3$, $S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, CF_3 , phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 ; and

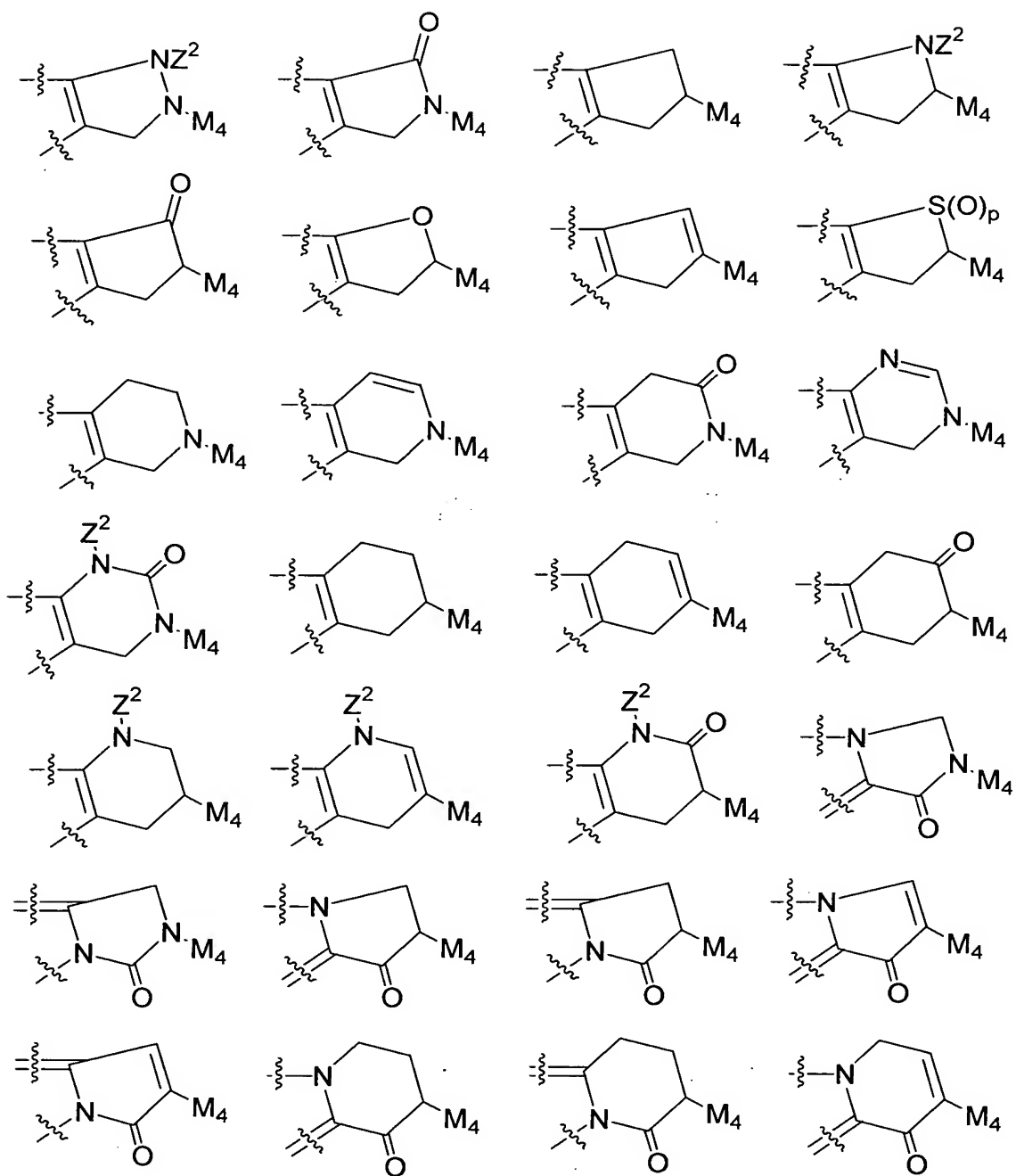
R^6 , at each occurrence, is selected from H, OH, OR^2 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2b}$, $CH_2C(O)R^{2b}$, $NR^2C(O)R^{2b}$, $NR^2C(O)NR^2R^{2a}$, $C(=NH)NH_2$, $NHC(=NH)NH_2$, $SO_2NR^2R^{2a}$, $NR^2SO_2NR^2R^{2a}$,
 5 and $NR^2SO_2C_{1-4}$ alkyl.

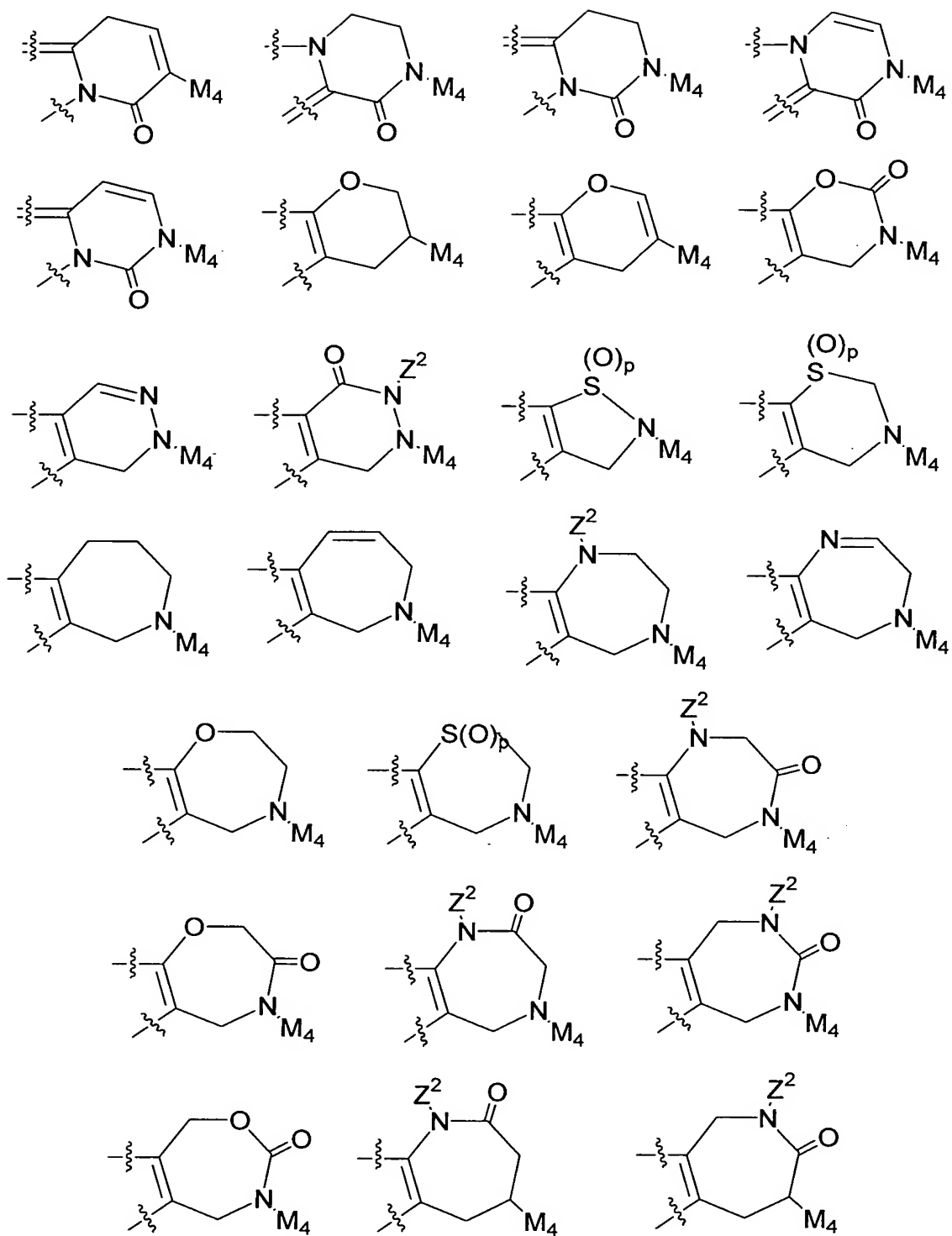
3. A compound according to Claim 2, wherein wherein:

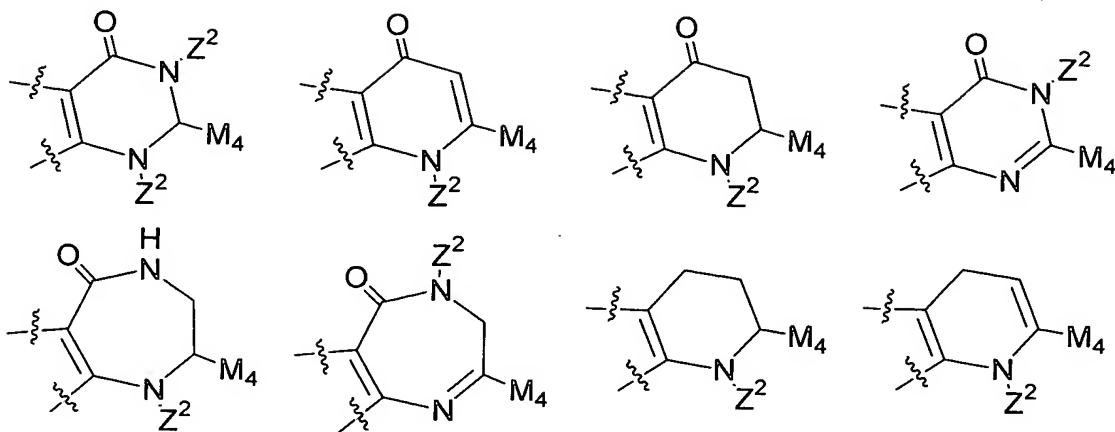
ring M is substituted with 0-2 R^{1a} and is selected from the group:



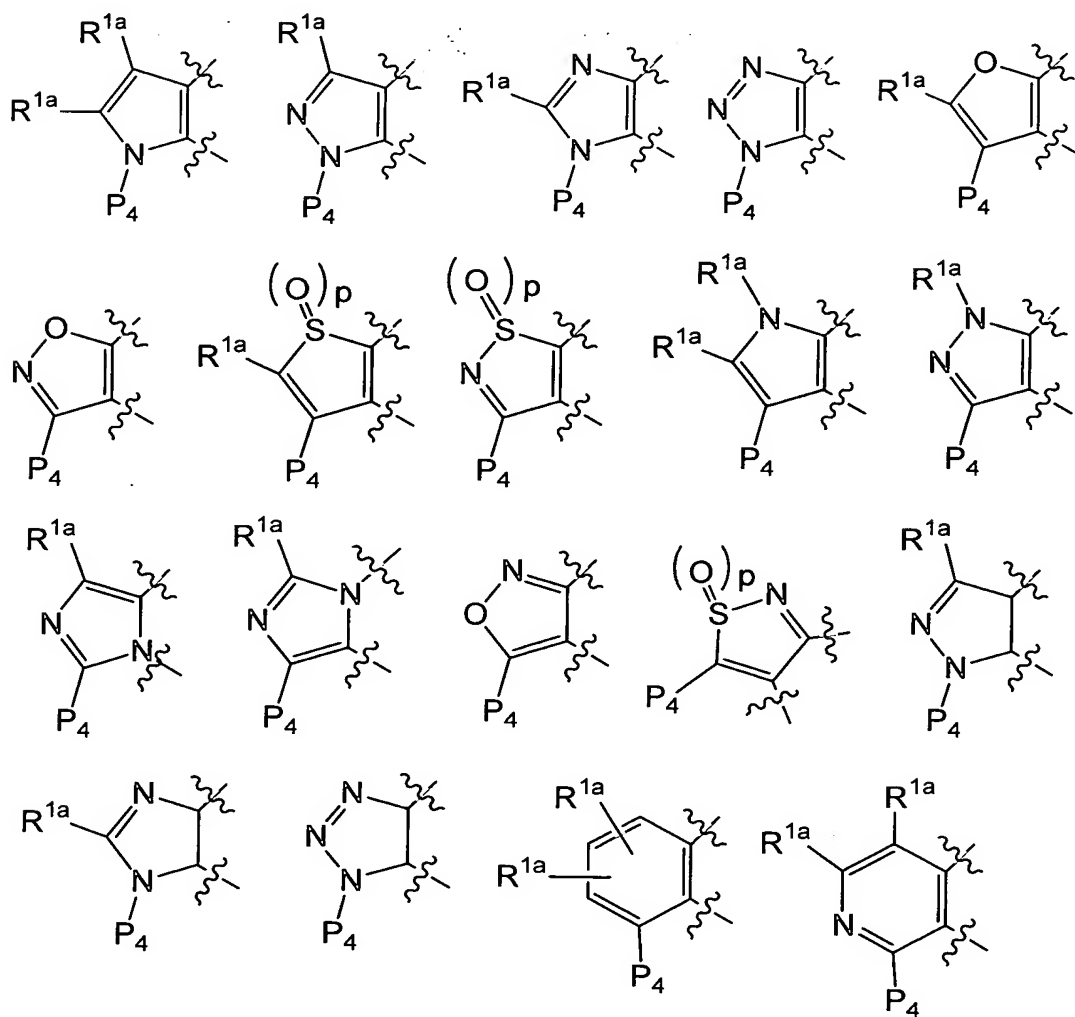


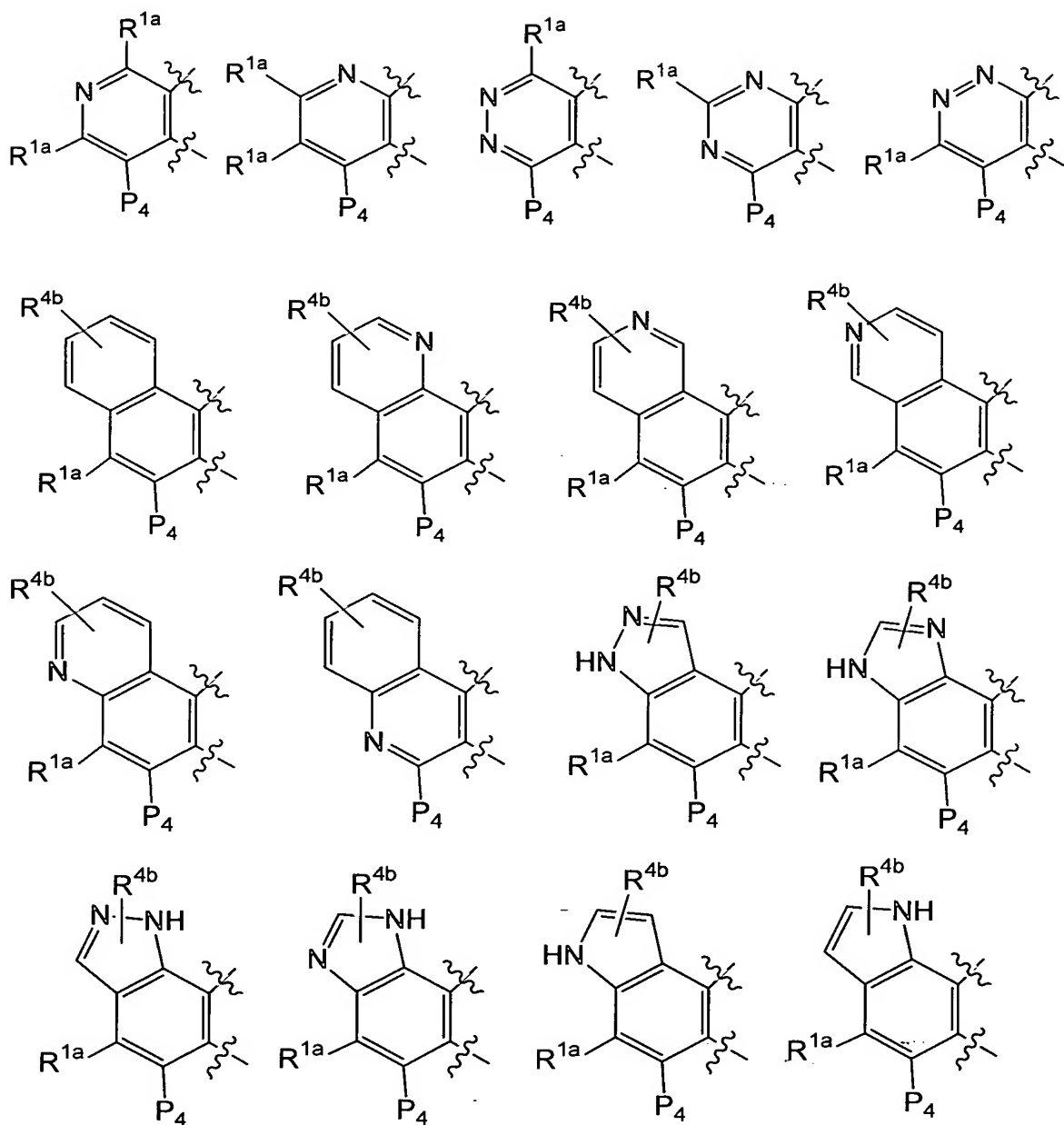


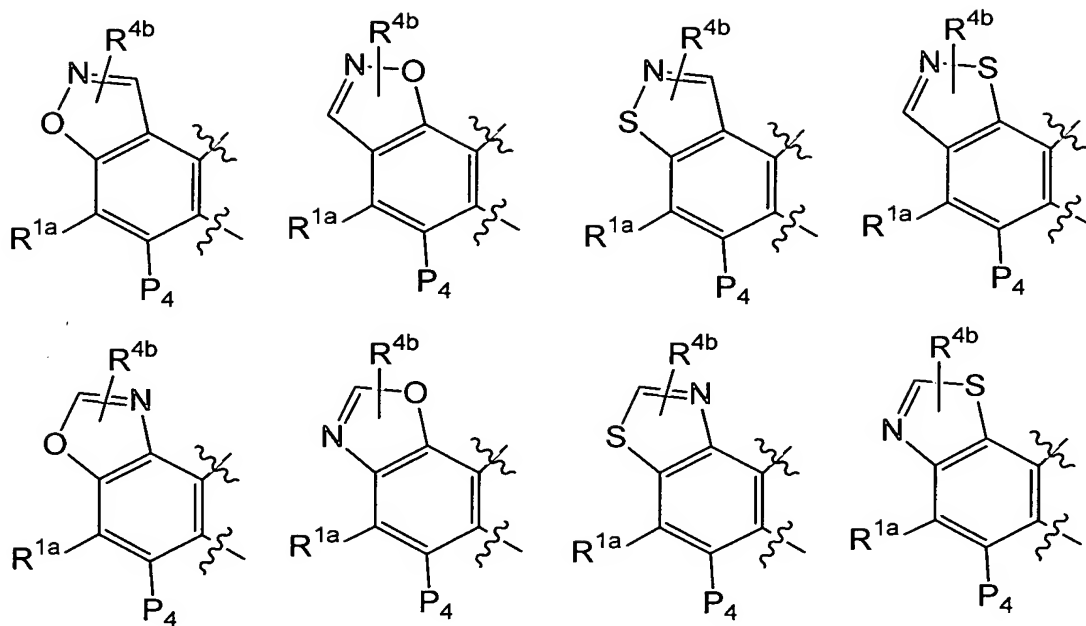




ring P, including P_1 , P_2 , P_3 , and P_4 is selected from group:





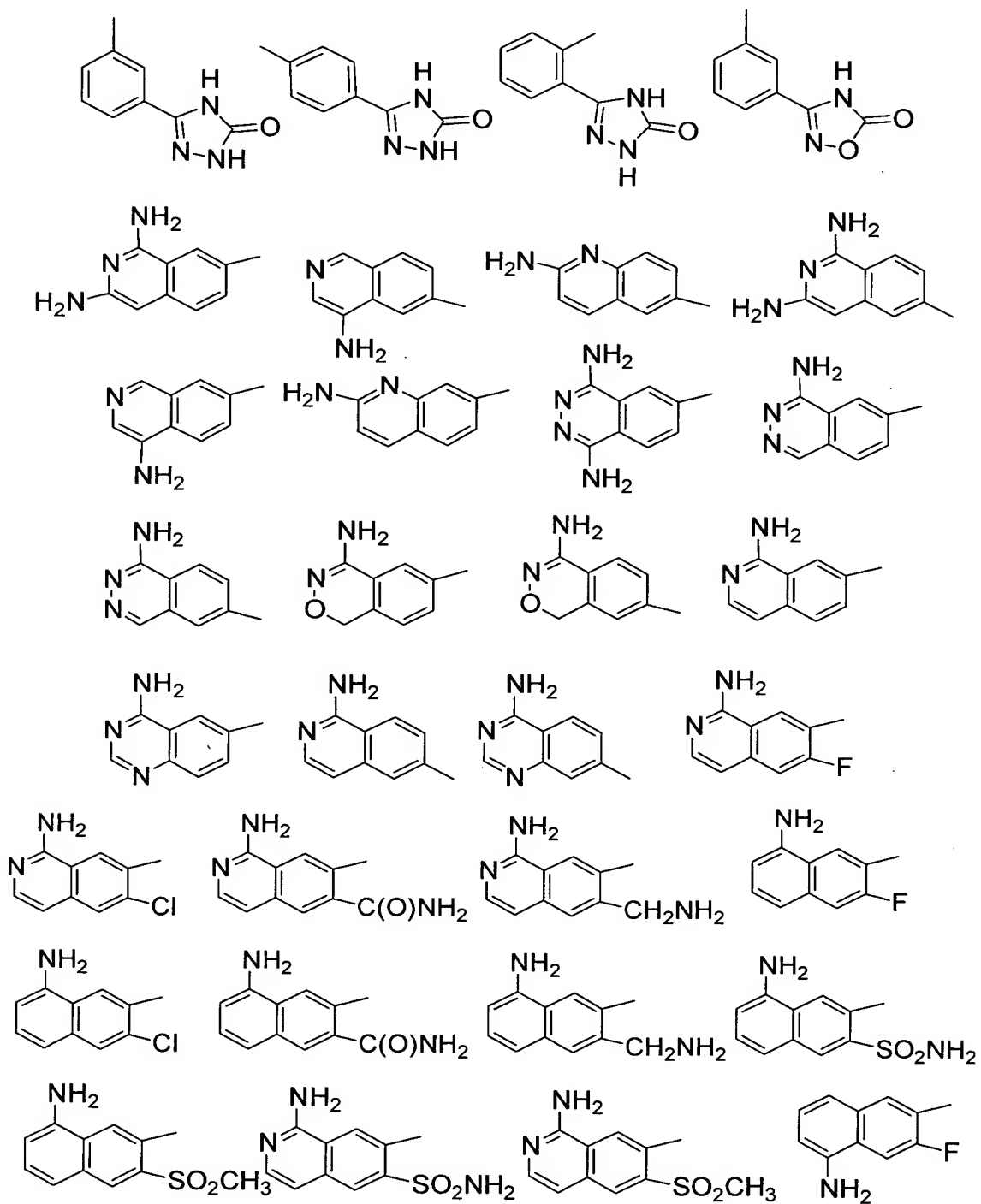


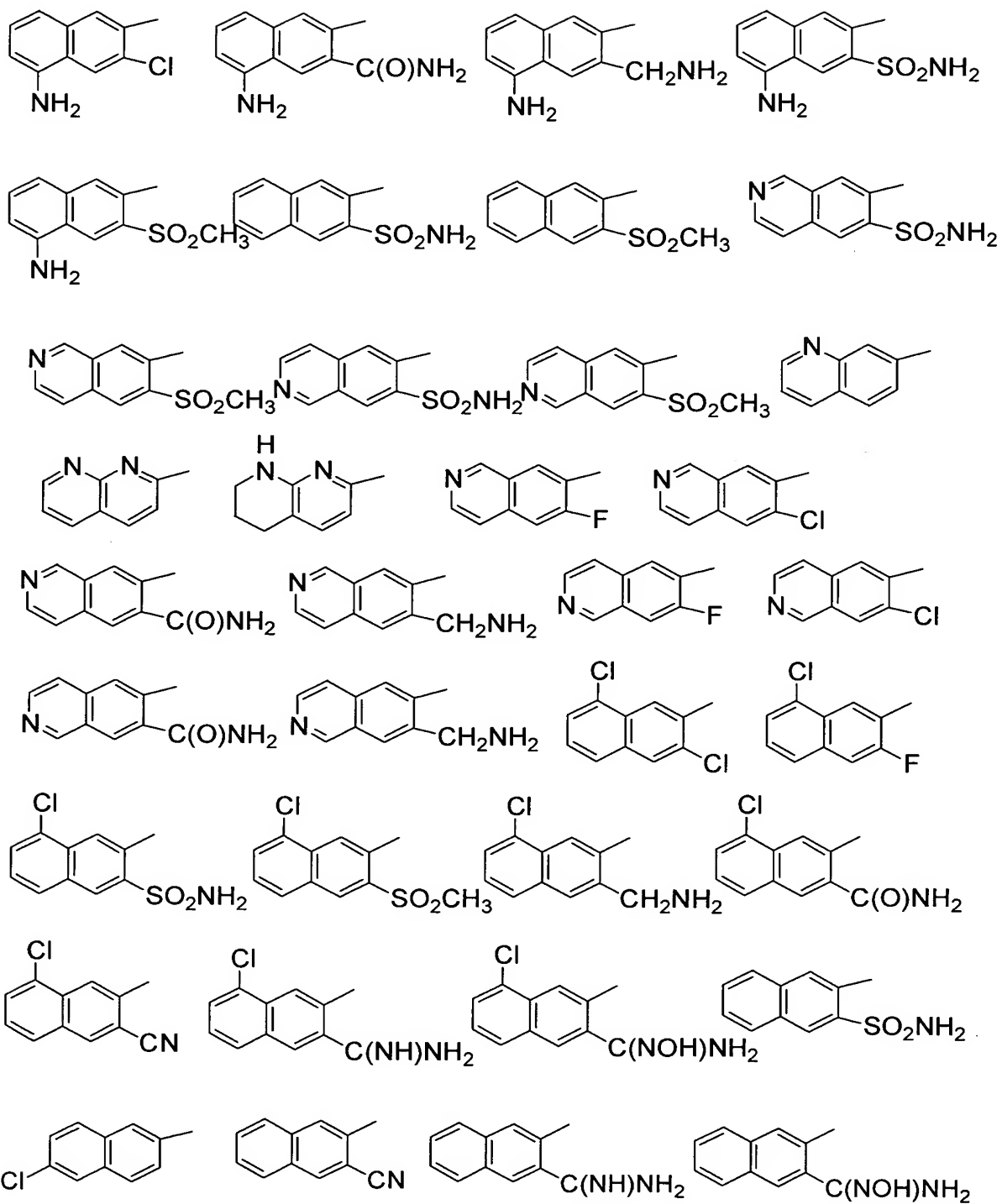
one of P_4 and M_4 is -Z-A-B and the other -G₁-G;

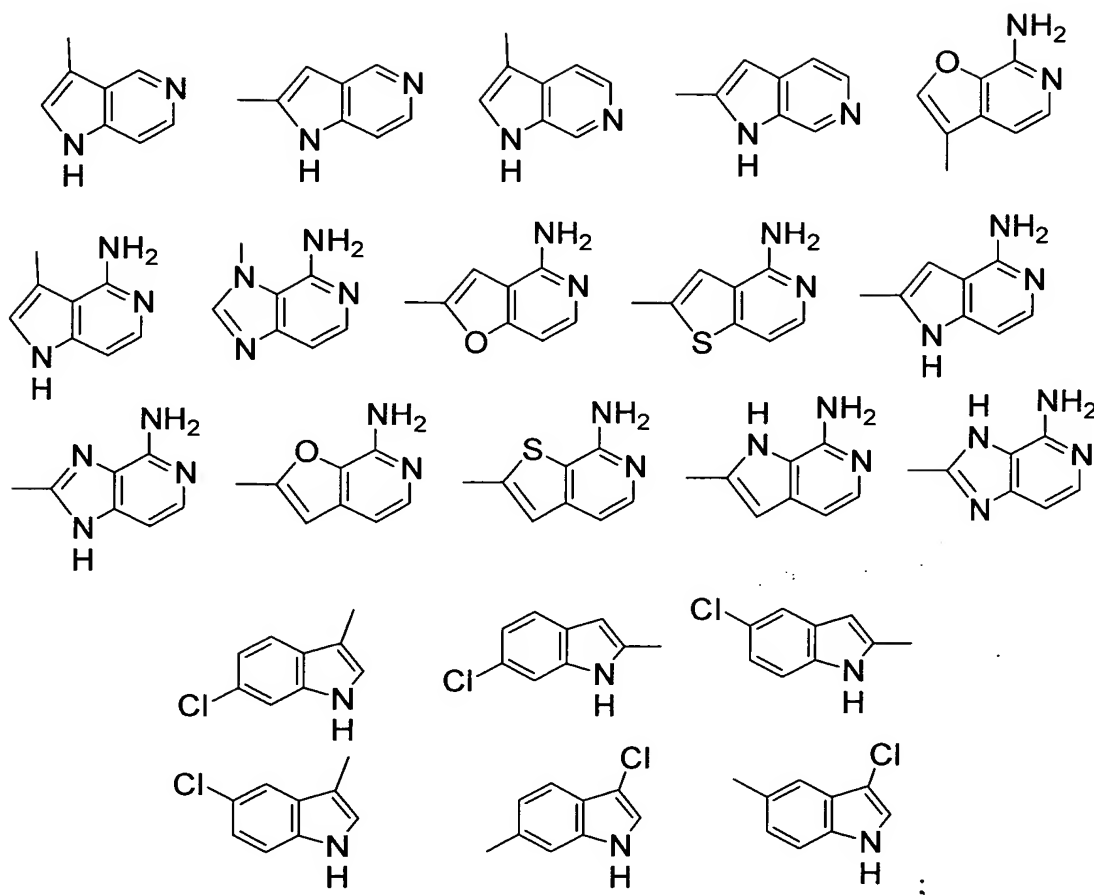
[00669] G is selected from the group: phenyl, 4-ethyl-phenyl,

- 5 2,5-bis-aminomethyl-phenyl, 2-amido-4-methoxy-phenyl, 2-amido-5-chloro-phenyl, 2-amido-phenyl, 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-3-methoxy-phenyl, 2-aminomethyl-4-fluoro-phenyl, 2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl 2-aminomethyl-5-methoxy-phenyl,
- 10 2-aminomethyl-6-fluoro-phenyl, 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl, 2-aminosulfonyl-phenyl, 2-hydroxy-4-methoxy-phenyl, 2-methylsulfonyl-phenyl, 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl, 3-(N-hydroxy-amidino)-phenyl, 3-(N-methoxy-amidino)-phenyl, 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amidino-phenyl,
- 15 3-amido-6-hydroxy-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-4-fluoro-phenyl, 3-chloro-phenyl, 3-hydroxy-4-methoxy-phenyl, 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl, 4-amino-5-chloro-thien-2-yl, 4-amino-pyrid-2-yl, 4-chloro-3-fluoro-phenyl, 4-chloro-phenyl, 4-chloro-pyrid-2-yl,
- 20 4-methoxy-2-methylsulfonyl-phenyl, 4-methoxy-phenyl, 2-methoxy-pyridyl-5-yl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl, 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl, 5-chloro-2-aminosulfonyl-phenyl,

5-chloro-2-methylsulfonyl-phenyl, 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl,
6-amino-5-chloro-pyrid-2-yl, 6-amino-pyrid-2-yl,





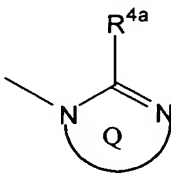
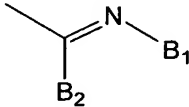


G_1 is absent or is selected from $(CR^3R^{3a})_{1-3}$, $CR^3=CR^3$,

- 5 $(CR^3R^{3a})_u C(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_u O(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u S(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u S(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_u S(O)_2(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u S(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}S(O)_2(CR^3R^{3a})_w$, and
10 $(CR^3R^{3a})_u S(O)_2NR^{3b}(CR^3R^{3a})_w$, wherein $u+w$ or $u+u+w$ total 0, 1, or 2, wherein the
right side of G_1 is attached to G , provided that G_1 does not form a N-S, NCH_2N ,
 NCH_2O , or NCH_2S bond with either group to which it is attached;

- A is selected from one of the following carbocyclic and heterocyclic groups
which are substituted with 0-2 R^4 : cyclohexyl, phenyl, piperidiny, piperazinyl,
15 pyridyl, pyrimidyl, furanyl, morpholinyl, thienyl, pyrrolyl, pyrrolidinyl, oxazolyl,
isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, 1,2,3-oxadiazolyl,
1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, 1,2,3-thiadiazolyl,

1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, 1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, benzofuranyl, benzothiofuranyl, indolynyl, indolyl, benzimidazolyl, benzoxazolyl, benzthiazolyl, indazolyl, benzisoxazolyl, benzisothiazolyl, and isoindazolyl;

5 B is selected from  and ; provided that Z and B are attached to different atoms on A and that the R^{4a} shown is other than OH;

ring Q is a 5-6 membered ring consisting of, in addition to the N-CR^{4a}=N group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)_p, and the ring is substituted with an additional 0-2 R^{4a};

10 B₁ is selected from SO₂R^{3b} and OR²;

B₂ is NR²R^{2d};

alternatively, NR²R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)_p, and this ring is substituted with 0-2 R^{4b};

15 alternatively, B₁ and R^{2d} combine to form a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)_p, and this ring is substituted with 0-2 R^{4b} and the R² group of NR²R^{2d}, in addition to the groups recited below, can be SO₂R^{3b};

20 R^{1a} is selected from H, R^{1b}, CH(CH₃)R^{1b}, C(CH₃)₂R^{1b}, CH₂R^{1b}, and CH₂CH₂R^{1b}, provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

alternatively, when two R^{1a} groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p, this ring being substituted with 0-2 R^{4b} and 0-3 ring double bonds;

25 R^{1b} is selected from H, CH₃, CH₂CH₃, F, Cl, Br, -CN, -CHO, CF₃, OR², NR²R^{2a}, C(O)R^{2b}, CO₂R^{2b}, OC(O)R², CO₂R^{2a}, S(O)_pR^{2b}, NR²(CH₂)_rOR², NR²C(O)R^{2b}, C(O)NR²R^{2a}, SO₂NR²R^{2a}, NR²SO₂R², phenyl substituted with 0-2

R^{4b} , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$, and substituted with 0-2 R^{4b} , provided that R^{1b} forms other than an O-O, N-halo, N-S, or N-CN bond;

5 R^2 , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, phenyl substituted with 0-2 R^{4b} , a benzyl substituted with 0-2 R^{4b} , and a 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2a} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 ,
10 $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-2 R^{4b} , phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

alternatively, NR^2R^{2a} forms a 5 or 6 membered saturated, partially saturated,
15 or unsaturated ring substituted with 0-2 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

R^{2b} , at each occurrence, is selected from CF_3 , C_{1-4} alkoxy, CH_3 , CH_2CH_3 ,
 $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-2 R^{4b} , phenyl substituted with
20 0-2 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2c} , at each occurrence, is selected from CF_3 , OH, OCH_3 , OCH_2CH_3 ,
 $OCH_2CH_2CH_3$, $OCH(CH_3)_2$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl
25 substituted with 0-2 R^{4b} , phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2d} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 ,
 $CH_2CH_2CH_3$, $CH(CH_3)_2$, and OCH_3 , benzyl;

R^{3b} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, and $CH(CH_3)_2$;

R^4 , at each occurrence, is selected from H, CH_2OR^2 , $(CH_2)_2OR^2$, OR^2 , F, Cl, Br, I, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$,
 5 $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $(CH_2)_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, CF_3 , and CF_2CF_3 ;

R^{4a} , at each occurrence, is selected from H, OR^2 , CH_2OR^2 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$,
 10 $NR^2C(O)NR^2R^{2a}$, $NR^2SO_2R^5$, $SO_2NR^2R^{2a}$, 6 membered carbocycle substituted with 0-1 R^5 , and a 5-6 membered heterocycle consisting of: carbon atoms and 1-2 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;

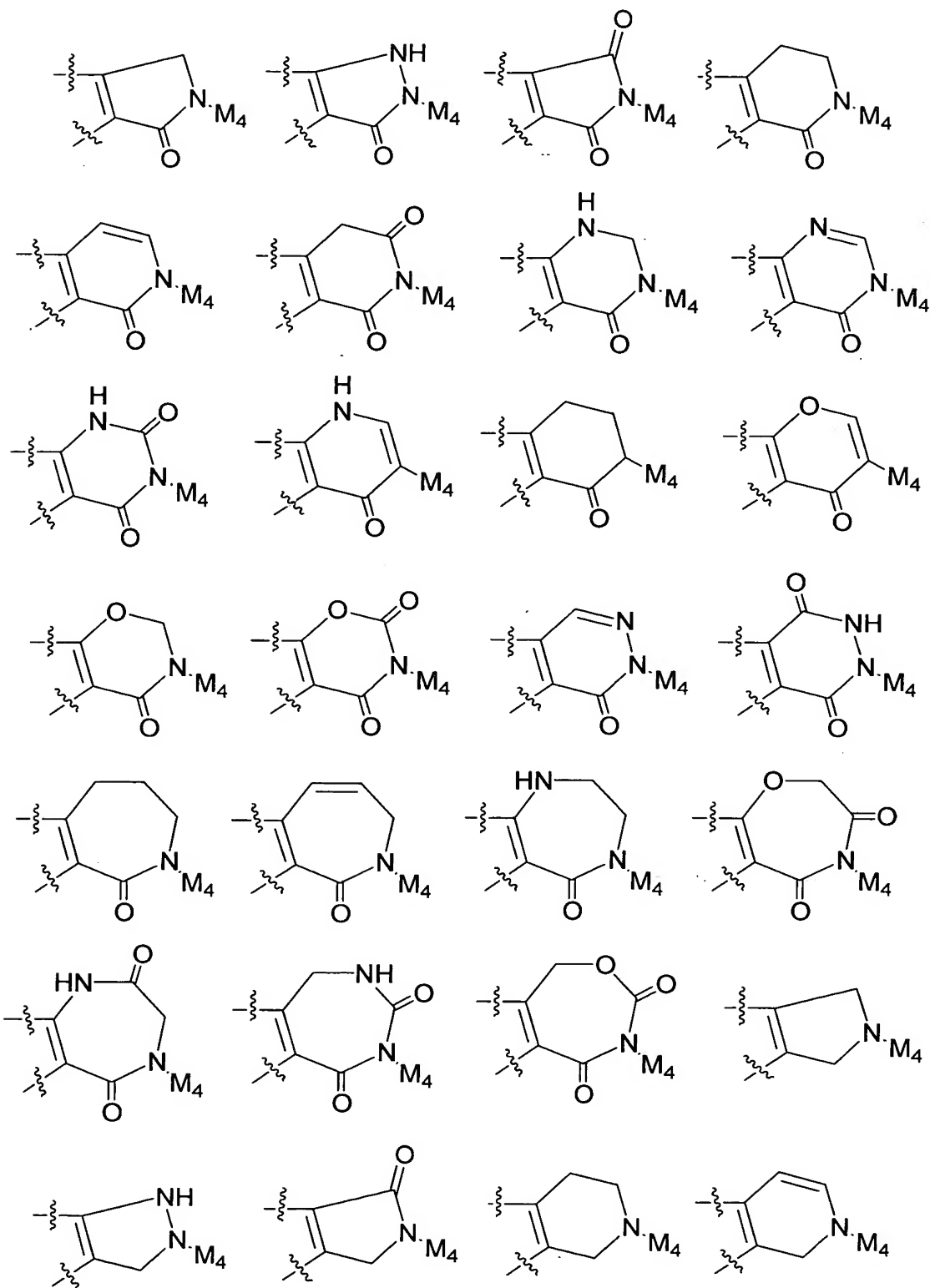
R^{4b} , at each occurrence, is selected from H, =O, OR^3 , CH_2OR^3 , F, Cl, CH_3 ,
 15 CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $CH_2NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $CH_2C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $CH_2SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, $CH_2NR^3SO_2-C_{1-4}$ alkyl, NR^3SO_2 -phenyl, $CH_2NR^3SO_2$ -phenyl, $S(O)_pCF_3$, $CH_2S(O)_pCF_3$, $S(O)_p-C_{1-4}$ alkyl, $CH_2S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, $CH_2S(O)_p$ -phenyl, and CF_3 ;
 20

R^5 , at each occurrence, is selected from H, =O, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, OR^3 , CH_2OR^3 , F, Cl, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, CF_3 , phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 ; and
 25

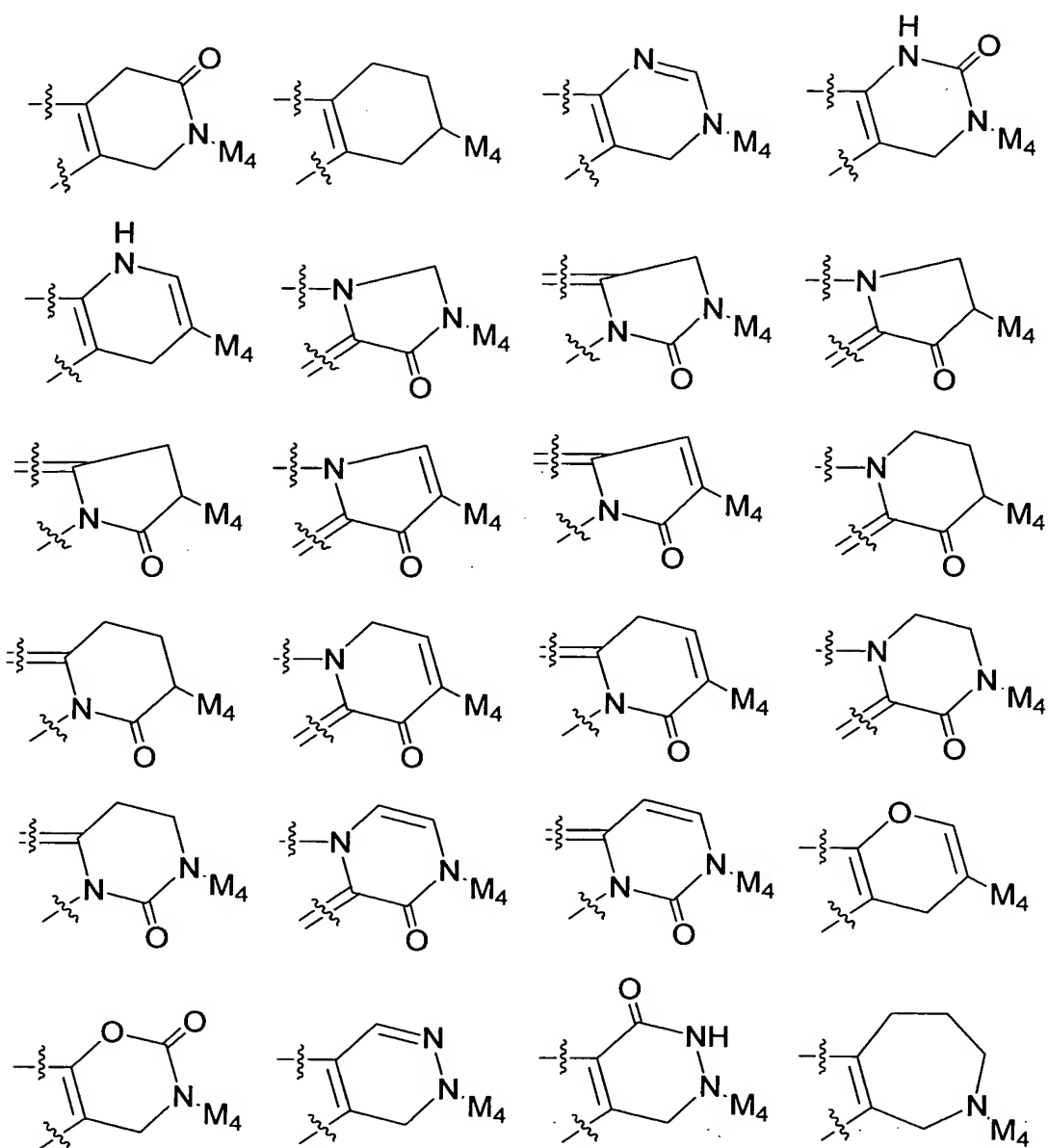
R^6 , at each occurrence, is selected from H, OH, OR^2 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2b}$, $CH_2C(O)R^{2b}$, $NR^2C(O)R^{2b}$, $SO_2NR^2R^{2a}$, and $NR^2SO_2C_{1-4}$ alkyl.

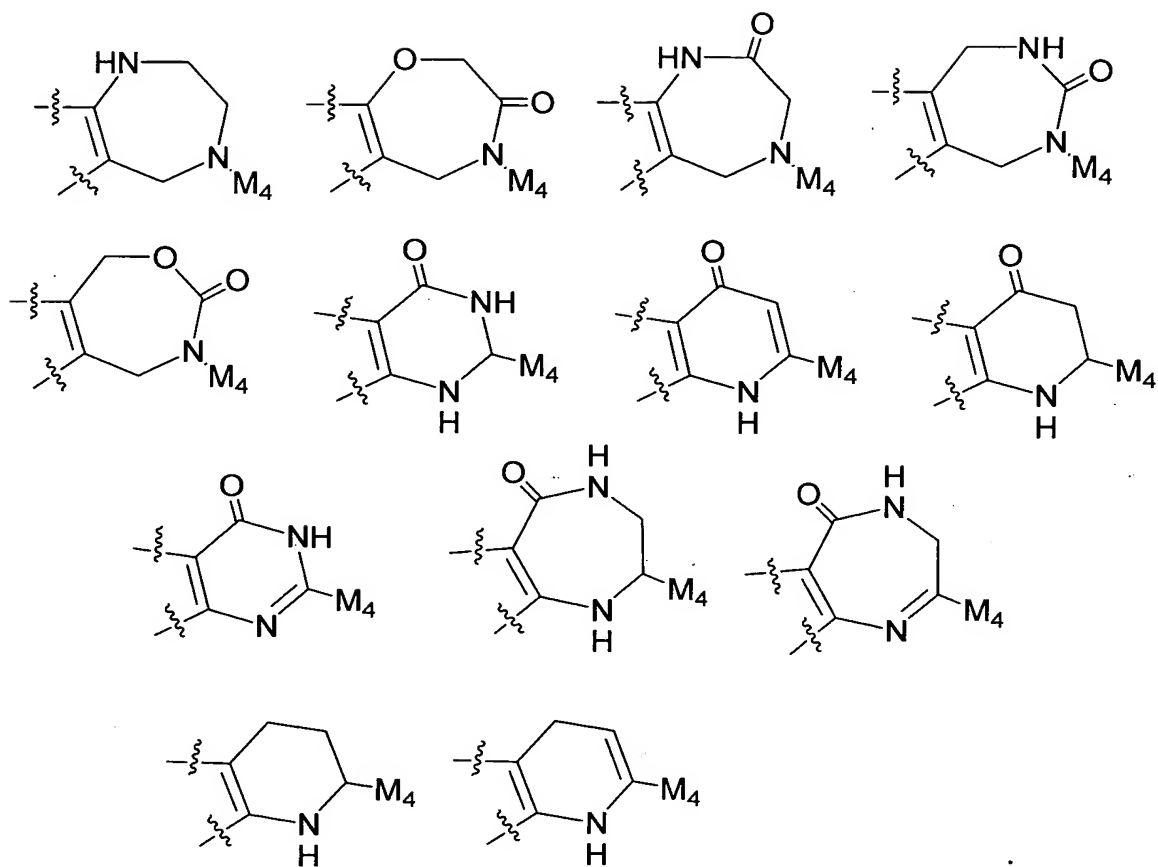
4. A compound according to Claim 3, wherein:

ring M is substituted with 0-2 R^{1a} and is selected from the group:

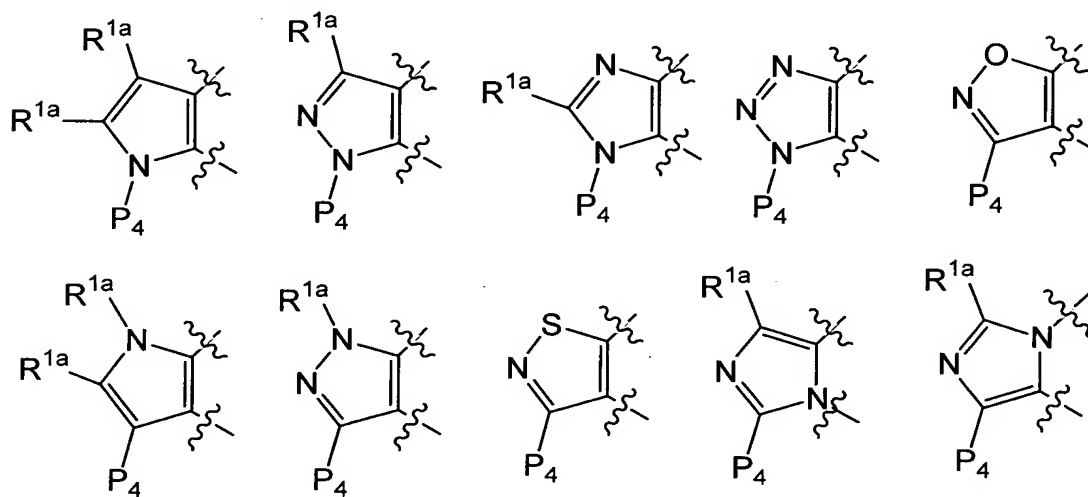


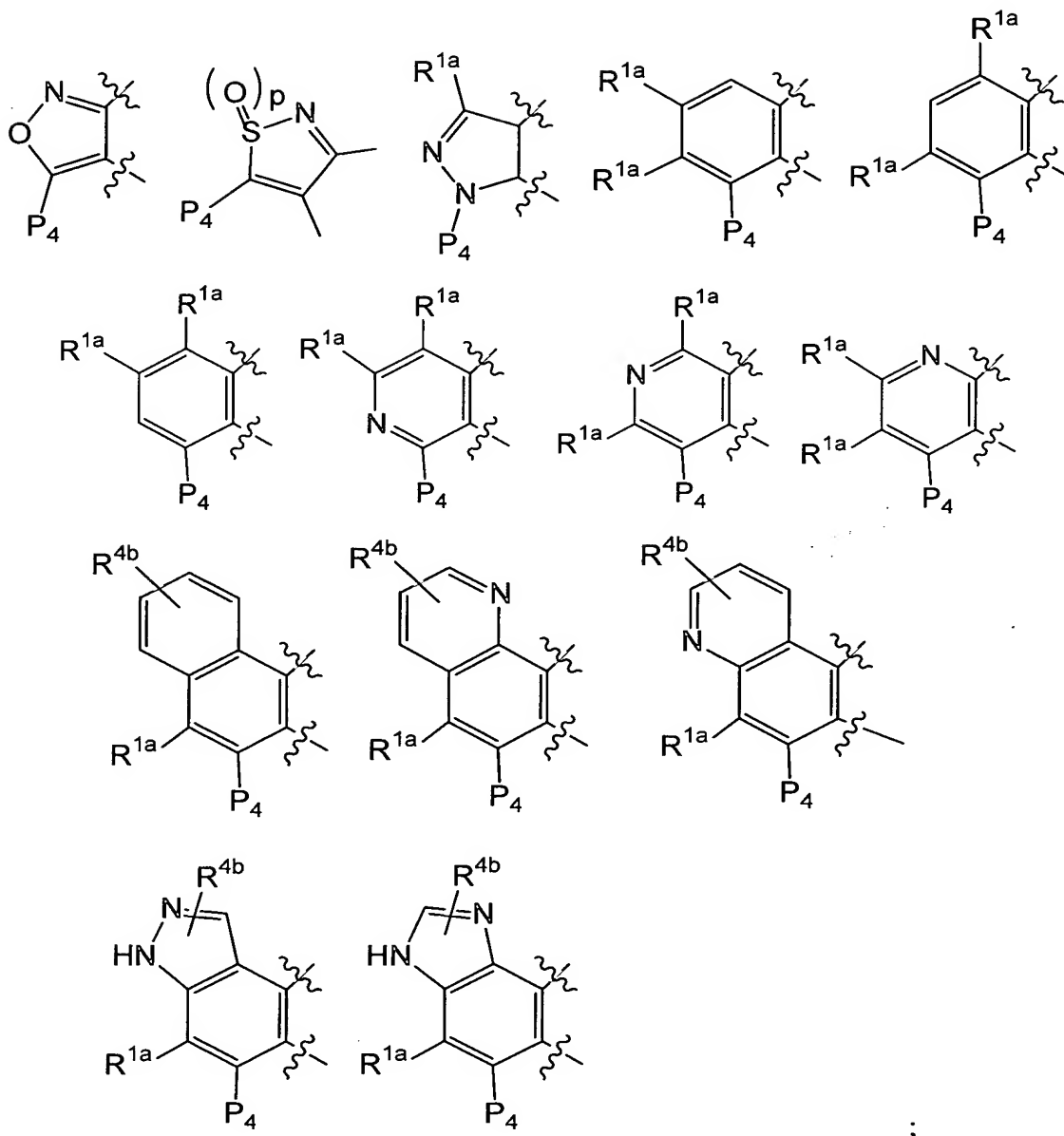
5





ring P, including P₁, P₂, P₃, and P₄ is selected from group:

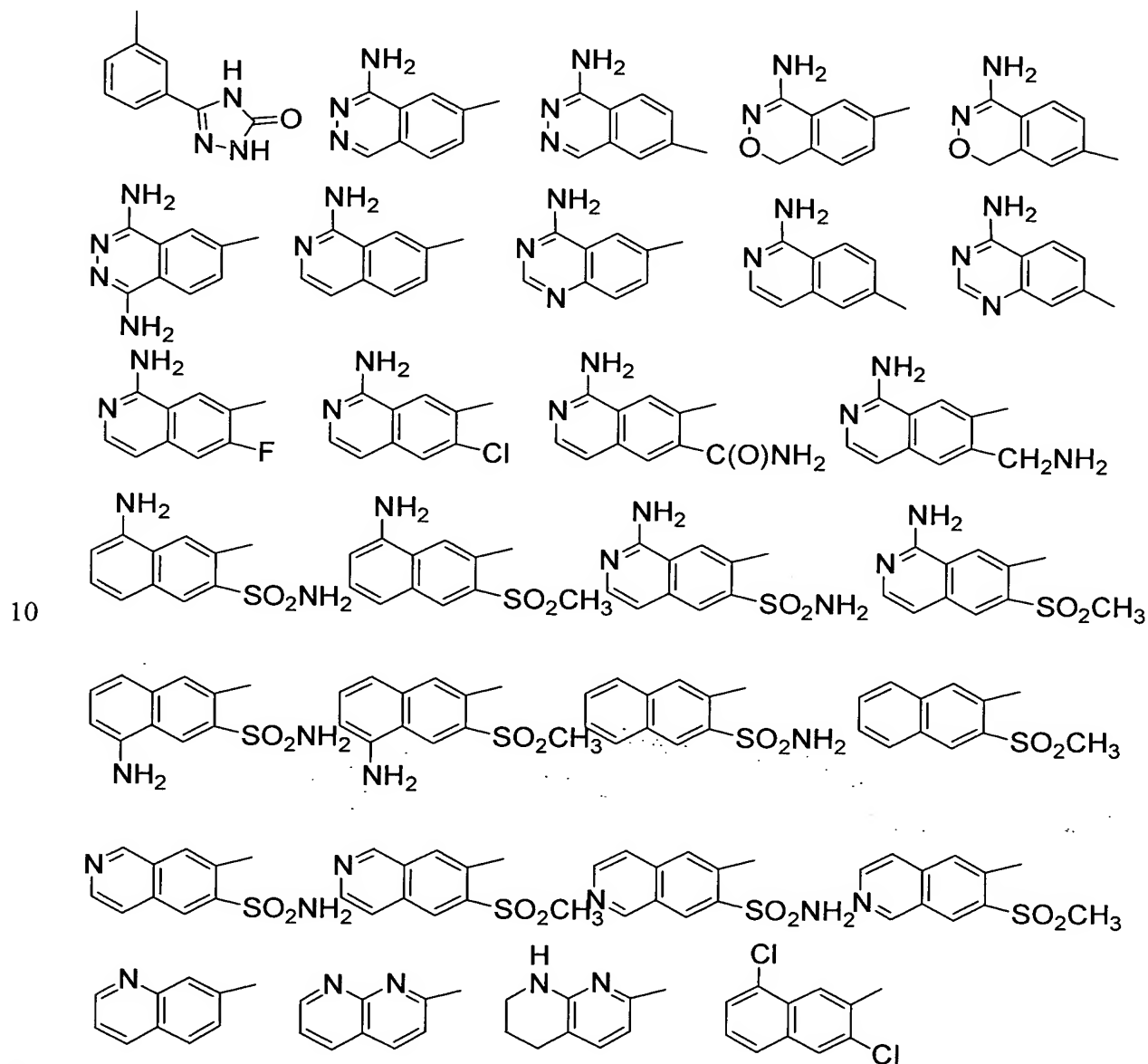


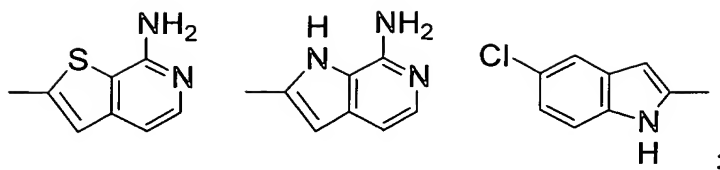


one of P₄ and M₄ is -A-B and the other -G;

- 5 [00670] G is selected from the group: 2-amido-4-methoxy-phenyl, 2-amido-phenyl, 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl, 2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl, 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,
- 10 2-aminosulfonyl-phenyl, 2-methylsulfonyl-phenyl, 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl, 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amido-phenyl,

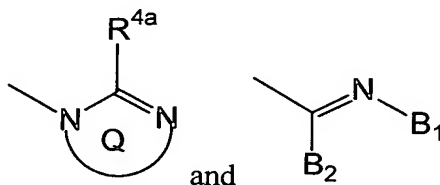
- 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-phenyl,
 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl,
 4-amino-5-chloro-thien-2-yl, 4-chloro-phenyl, 4-methoxy-2-methylsulfonyl-phenyl,
 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl,
 5 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl,
 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,
 6-amino-pyrid-2-yl, 3-midino-phenyl,





G_1 is absent or is selected from CH_2 , CH_2CH_2 , CH_2O , OCH_2 , NH , CH_2NH , NHCH_2 , $\text{CH}_2\text{C}(\text{O})$, $\text{C}(\text{O})\text{CH}_2$, $\text{C}(\text{O})\text{NH}$, $\text{NHC}(\text{O})$, $\text{CH}_2\text{S}(\text{O})_2$, $\text{S}(\text{O})_2(\text{CH}_2)$, SO_2NH , and NHSO_2 , wherein the right side of G_1 is attached to G , provided that G_1 does not
 5 form a N-S, NCH_2N , NCH_2O , or NCH_2S bond with either group to which it is attached;

A is selected from cyclohexyl, phenyl, pyridyl, and pyrimidyl, and is substituted with 0-2 R^4 ;



B is selected from
 10 attached to different atoms on A and that the R^{4a} shown is other than OH ;

ring Q is a 5-6 membered ring consisting of, in addition to the $\text{N}-\text{CR}^{4a}=\text{N}$ group shown, carbon atoms and 0-1 heteroatoms selected from N , O , and $\text{S}(\text{O})_p$, and the ring is substituted with an additional 0-2 R^{4a} ;

B_1 is selected from SO_2R^{3b} and OR^2 ;

15 B_2 is NR^2R^{2d} ;

alternatively, NR^2R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N , O , and $\text{S}(\text{O})_p$, and this ring is substituted with 0-1 R^{4b} ;

alternatively, B_1 and R^{2d} combine to form a 5 membered ring consisting of:
 20 carbon atoms and 0-1 additional heteroatoms selected from N , O , and $\text{S}(\text{O})_p$, and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, can be SO_2R^{3b} ;

R^{1a} , at each occurrence, is selected from H , R^{1b} , $\text{CH}(\text{CH}_3)\text{R}^{1b}$, $\text{C}(\text{CH}_3)_2\text{R}^{1b}$, and CH_2R^{1b} , provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

R^{1b} is selected from CH_3 , CH_2CH_3 , F , Cl , Br , $-CN$, CF_3 , OR^2 , NR^2R^{2a} , $C(O)R^{2b}$, CO_2R^{2b} , CO_2R^{2a} , $S(O)_pR^{2b}$, $C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $NR^2SO_2R^2$, and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$, and substituted with 0-2 R^{4b} , provided that R^{1b} forms other than an $O-O$, $N-halo$, $N-S$, or $N-CN$ bond;

R^2 , at each occurrence, is selected from H , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, phenyl substituted with 0-1 R^{4b} , benzyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-1 R^{4b} ;

R^{2a} , at each occurrence, is selected from H , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-1 R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-1 R^{4b} ;

alternatively, NR^2R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N , O , and $S(O)_p$;

R^{2b} , at each occurrence, is selected from OCH_3 , OCH_2CH_3 , $OCH_2CH_2CH_3$, $OCH(CH_3)_2$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-1 R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-1 R^{4b} ;

R^{2c} , at each occurrence, is selected from OH , OCH_3 , OCH_2CH_3 , $OCH_2CH_2CH_3$, $OCH(CH_3)_2$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-1 R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N , O , and $S(O)_p$ and substituted with 0-1 R^{4b} ;

R^{2d} , at each occurrence, is selected from H , CH_3 , CH_2CH_3 , OCH_3 , and benzyl;

R^{3b} , at each occurrence, is selected from H and CH_3 ;

R^4 , at each occurrence, is selected from OH, OR^2 , CH_2OR^2 , $(CH_2)_2OR^2$, F, Br, Cl, I, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $(CH_2)_2NR^2R^{2a}$,
 5 CF_3 , and CF_2CF_3 ;

R^{4a} , at each occurrence, is selected from H, OR^2 , CH_2OR^2 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $NR^2SO_2R^5$, phenyl substituted with 0-1 R^5 , and a 5-6 membered heterocycle
 10 consisting of: carbon atoms and 1 heteroatom selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;

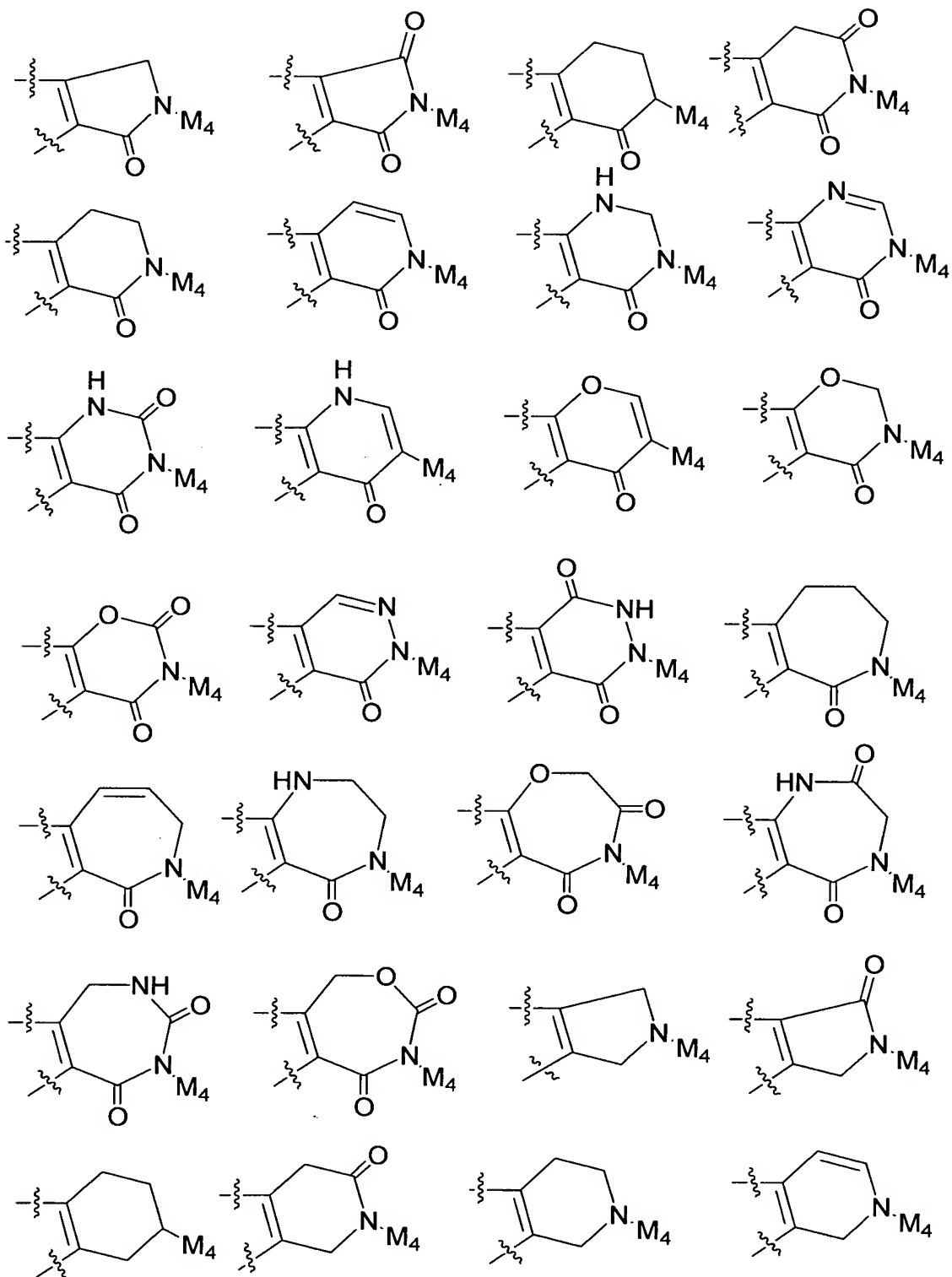
R^{4b} , at each occurrence, is selected from H, $=O$, OR^3 , CH_2OR^3 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $-CN$, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl,
 15 NR^3SO_2 -phenyl, $S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, and CF_3 ;

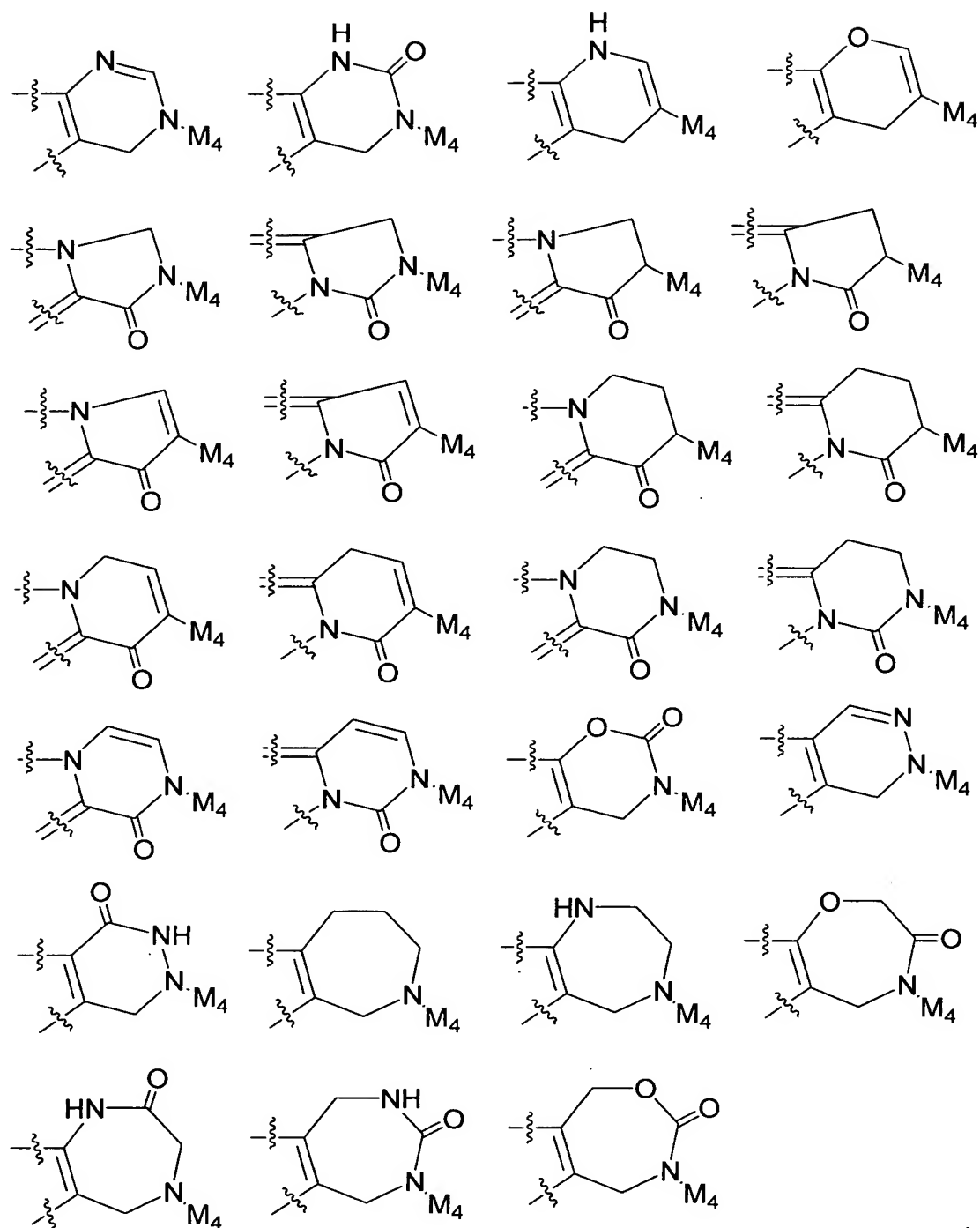
R^5 , at each occurrence, is selected from H, $=O$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, OR^3 , NR^3R^{3a} , $C(O)R^3$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, and phenyl substituted with 0-2 R^6 ; and,

R^6 , at each occurrence, is selected from H, OH, OR^2 , F, Cl, CH_3 , CH_2CH_3 ,
 20 $CH_2CH_2CH_3$, $CH(CH_3)_2$, $-CN$, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2b}$, $CH_2C(O)R^{2b}$, $NR^2C(O)R^{2b}$, and $SO_2NR^2R^{2a}$.

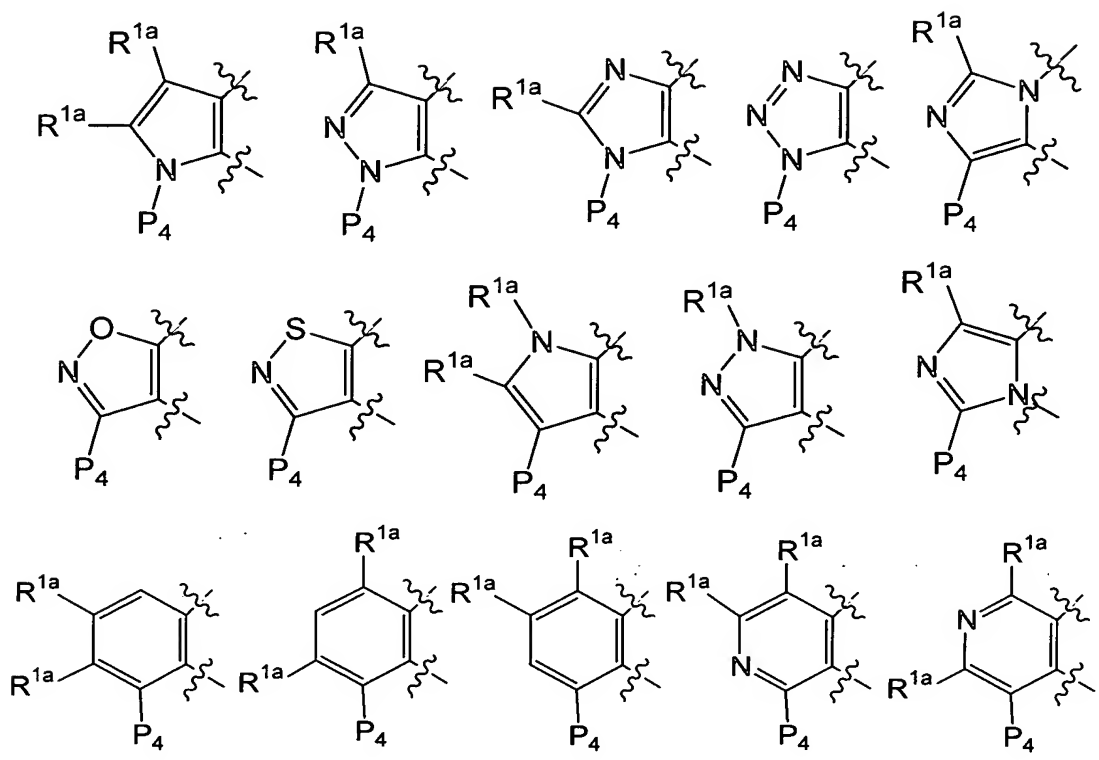
5. A compound according to Claim 4, wherein:

ring M is substituted with 0-1 R^{1a} and is selected from the group:



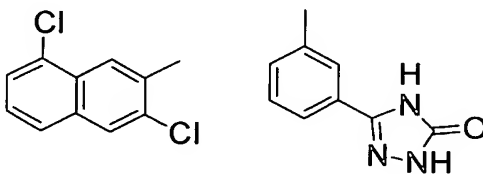


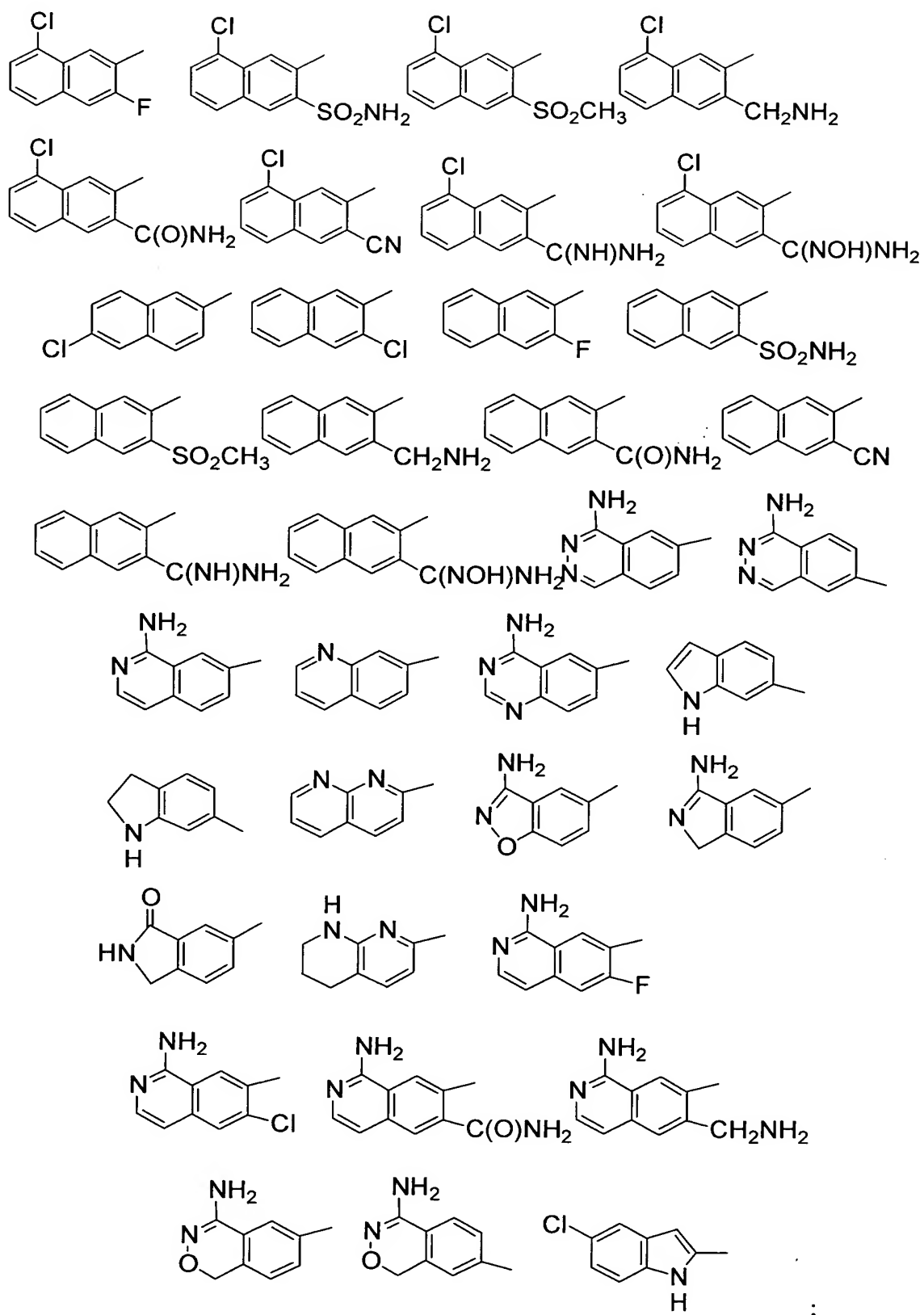
5 ring P, including P₁, P₂, P₃, and P₄ is selected from group:



one of P_4 and M_4 is -A-B and the other -G;

- [00671] G is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,
- 5 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,
2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-6-fluoro-phenyl,
2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,
2-aminosulfonyl-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl,
3-aminomethyl-phenyl, 3-chloro-phenyl, 4-chloro-phenyl, 4-methoxy-phenyl,
- 10 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,
6-amino-pyrid-2-yl, 3-midino-phenyl,

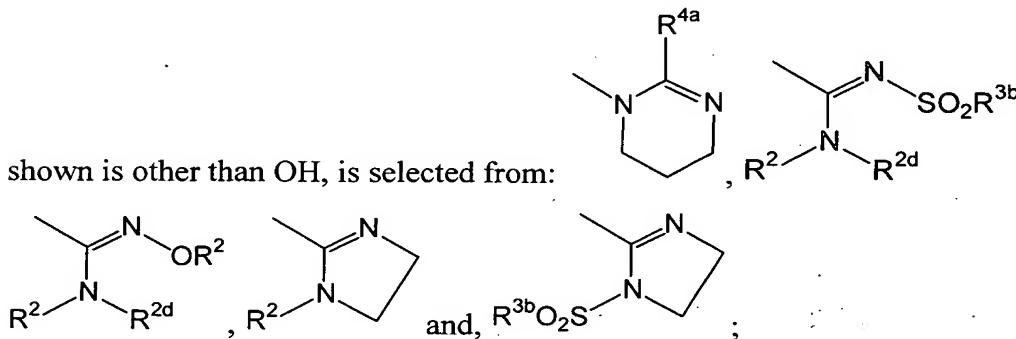




A is selected from the group: cyclohexyl, piperidinyl, phenyl, 2-pyridyl, 3-pyridyl, 2-pyrimidyl, 2-Cl-phenyl, 3-Cl-phenyl, 2-F-phenyl, 3-F-phenyl, 2-methylphenyl, 2-aminophenyl, and 2-methoxyphenyl;

B, provided that Z and B are attached to different atoms on A and that the R^{4a}

5 shown is other than OH, is selected from:



alternatively, NR^2R^{2d} combine to form a ring selected from morpholine, piperazine, piperidine, and pyrrolidine;

R^{1a} , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, CH_2F , CH_2Cl , Br, CH_2Br , -CN, CH_2CN , CF_3 , CH_2CF_3 , OCH_3 , CH_2OH , $C(CH_3)_2OH$, CH_2OCH_3 , NH_2 , CH_2NH_2 , $NHCH_3$, CH_2NHCH_3 , $N(CH_3)_2$, $CH_2N(CH_3)_2$, CO_2H , $COCH_3$, CO_2CH_3 , $CH_2CO_2CH_3$, SCH_3 , CH_2SCH_3 , $S(O)CH_3$, $CH_2S(O)CH_3$, $S(O)_2CH_3$, $CH_2S(O)_2CH_3$, $C(O)NH_2$, $CH_2C(O)NH_2$, SO_2NH_2 , $CH_2SO_2NH_2$, $NHSO_2CH_3$, $CH_2NHSO_2CH_3$, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyridin-2-yl-N-oxide, pyridin-3-yl-N-oxide, pyridin-4-yl-N-oxide, imidazol-1-yl, CH_2 -imidazol-1-yl, 4-methyl-oxazol-2-yl, 4-N,N-dimethylaminomethyl-oxazol-2-yl, 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-5-yl, CH_2 -1,2,3,4-tetrazol-1-yl, and CH_2 -1,2,3,4-tetrazol-5-yl, provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

20 R^2 , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, phenyl substituted with 0-1 R^{4b} , benzyl substituted with 0-1 R^{4b} , and 5 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^{4b} ;

R^{2a} , at each occurrence, is selected from H, CH_3 , and CH_2CH_3 ;

25 alternatively, NR^2R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1 R^{4b} and consisting of: carbon atoms, the

nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)_p;

R^{2b} , at each occurrence, is selected from OCH₃, OCH₂CH₃, CH₃, and CH₂CH₃;

5 R^{2c} , at each occurrence, is selected from OH, OCH₃, OCH₂CH₃, CH₃, and CH₂CH₃;

R^{2d} , at each occurrence, is selected from H, CH₃, CH₂CH₃, and OCH₃;

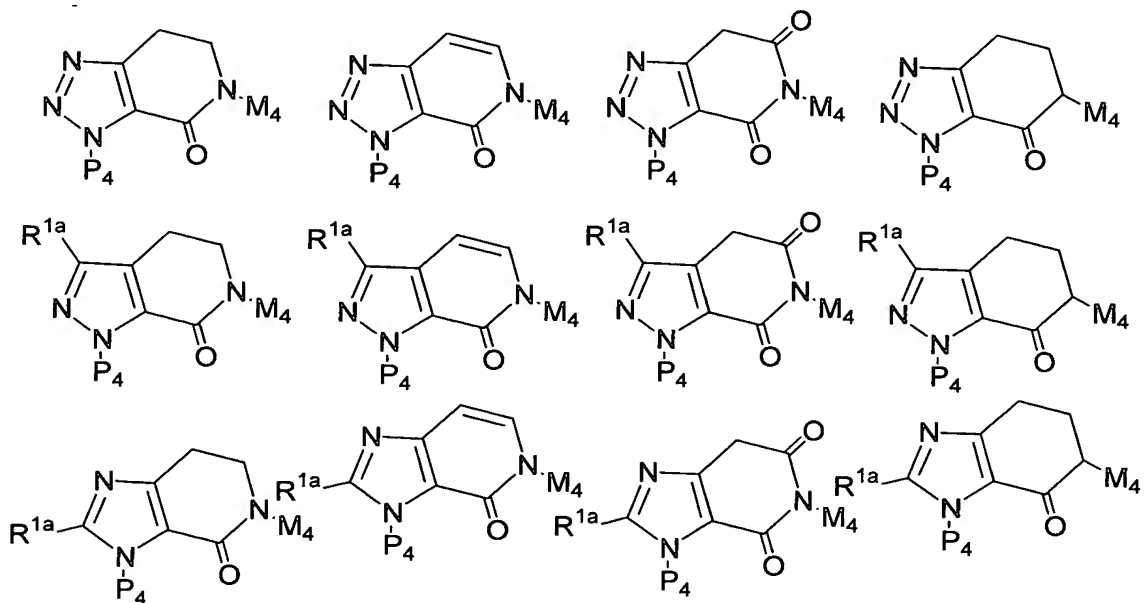
R^{4a} , at each occurrence, is selected from H, OCH₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, NR²R^{2a}, NR²C(O)R^{2b}, NR²SO₂R⁵, phenyl, 2-oxo-pyrrolidinyl, and 2-oxo-piperidinyl;

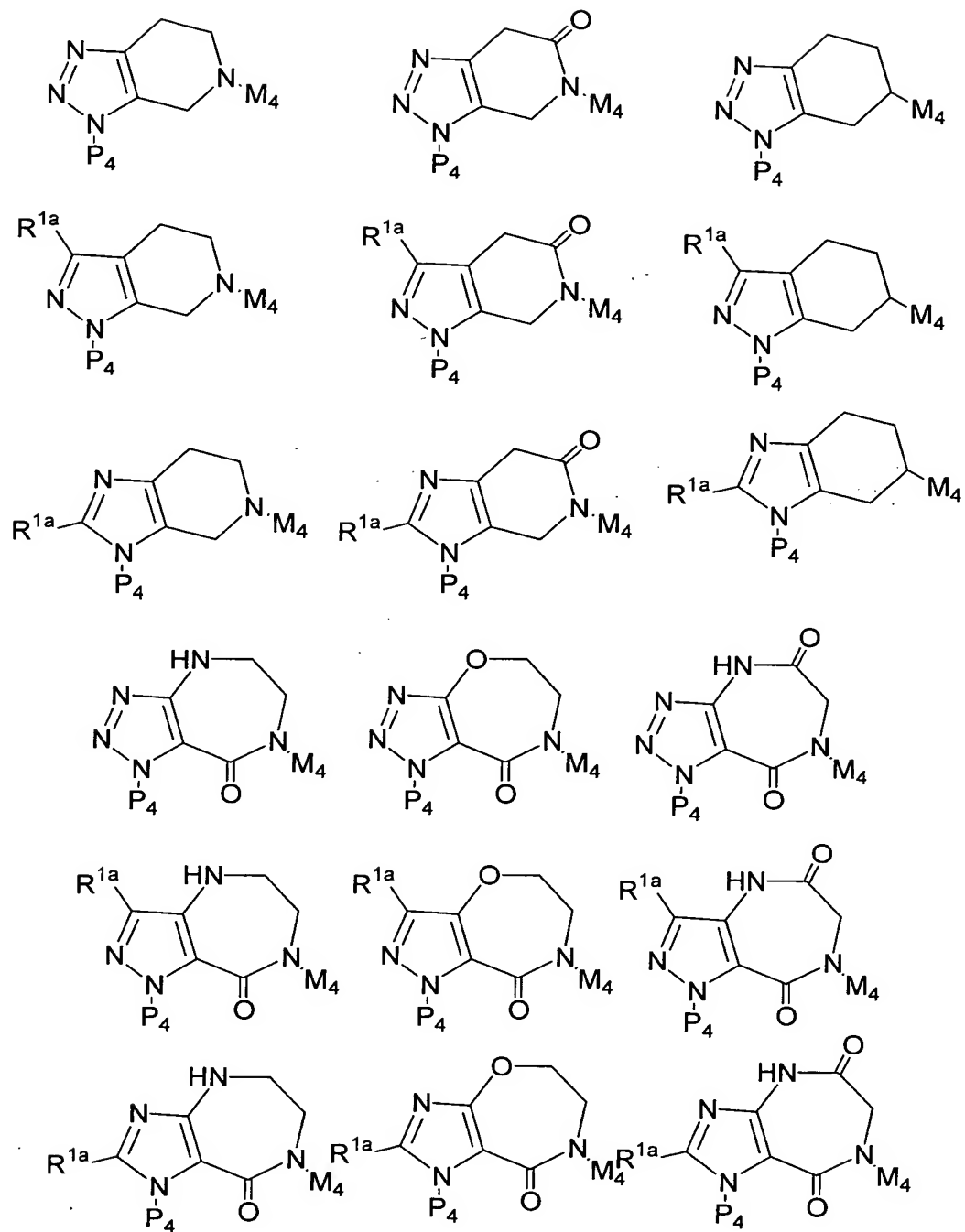
10 R^{4b} , at each occurrence, is selected from H, =O, OR³, CH₂OR³, F, Cl, CH₃, CH₂CH₃, NR³R^{3a}, CH₂NR³R^{3a}, C(O)R³, C(O)OR^{3c}, NR³C(O)R^{3a}, C(O)NR³R^{3a}, SO₂NR³R^{3a}, NR³SO₂-phenyl, S(O)₂CH₃, S(O)₂-phenyl, and CF₃; and

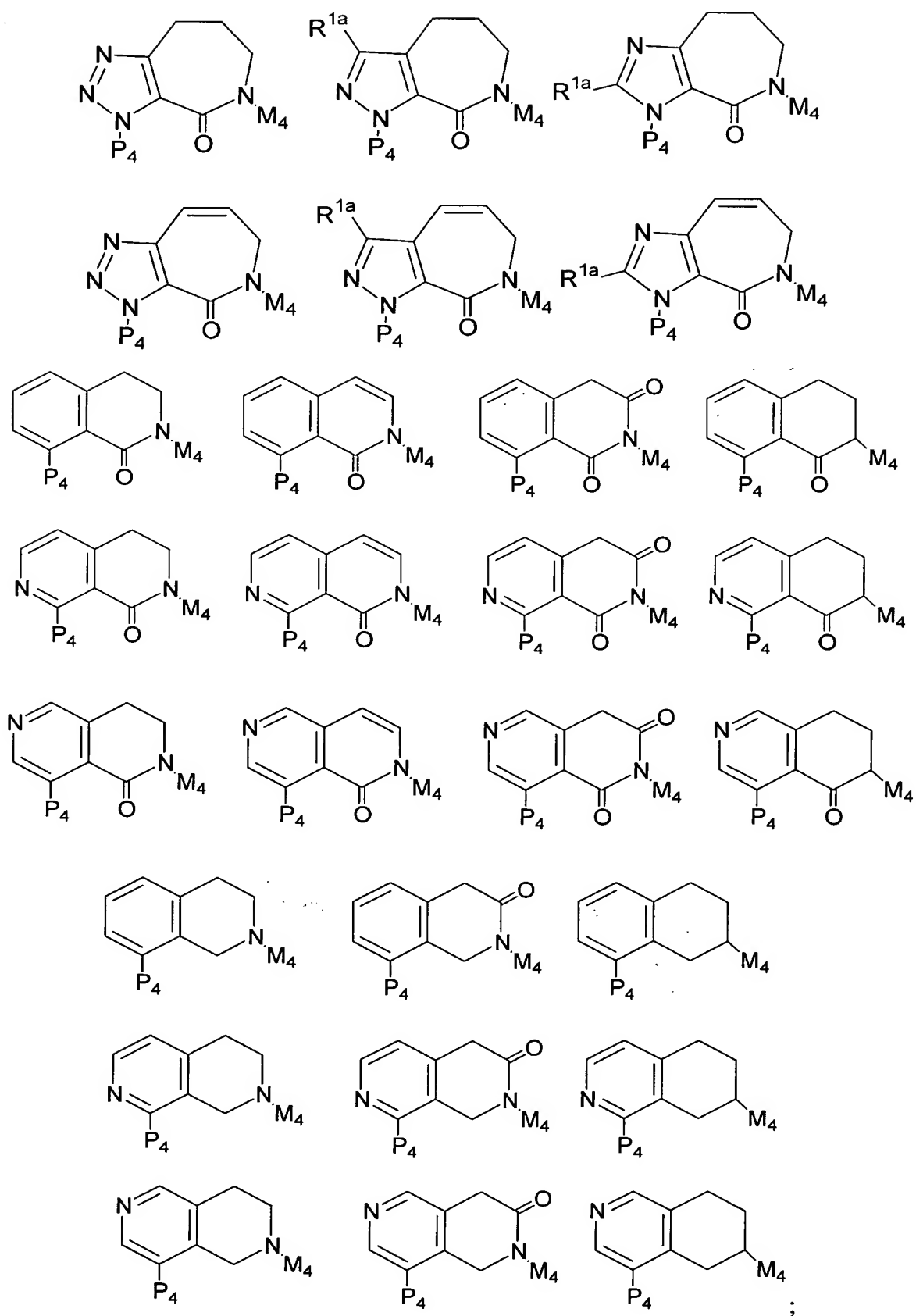
R^5 , at each occurrence, is selected from CH₃ and CH₂CH₃.

15

6. A compound according to Claim 5, wherein the compound is selected from:



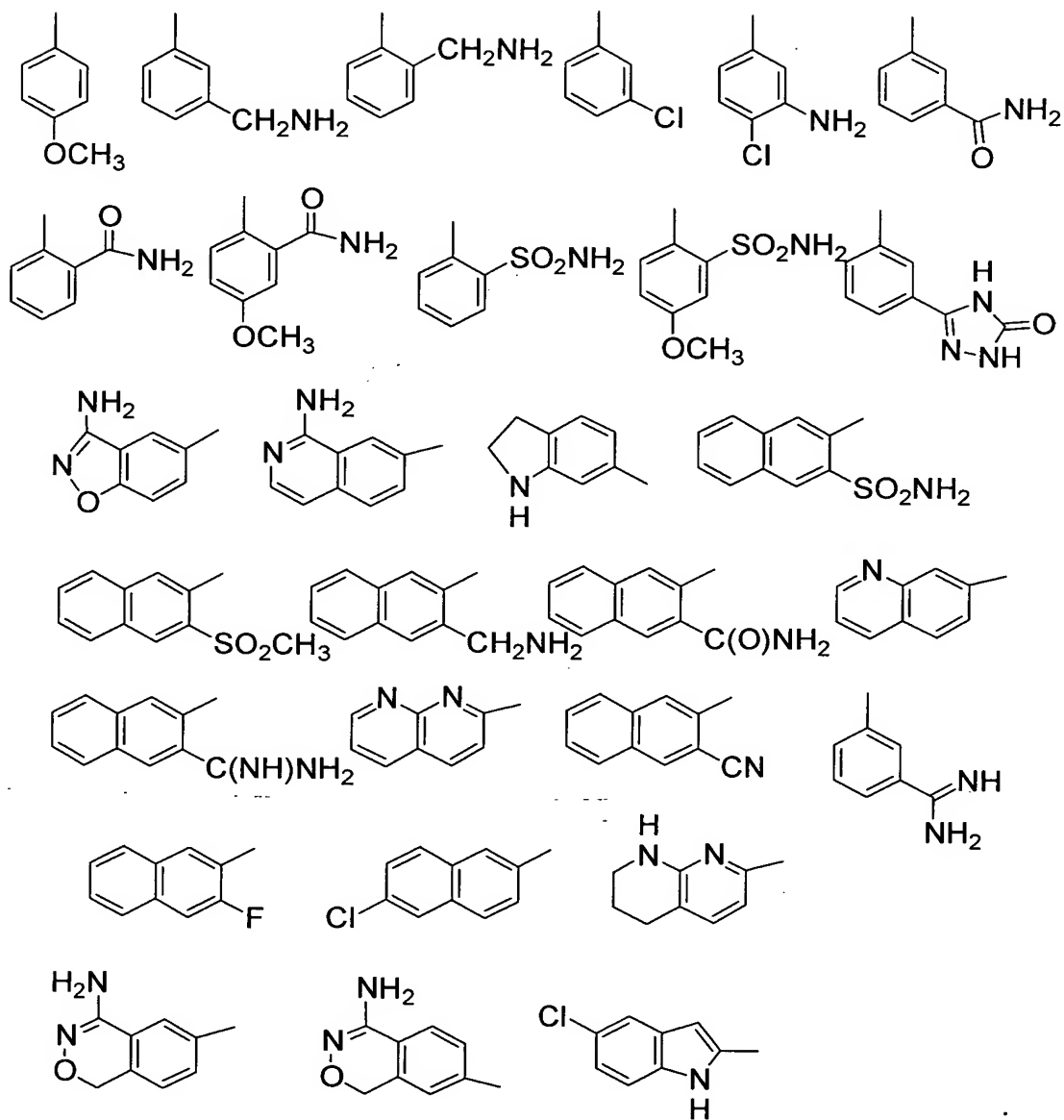




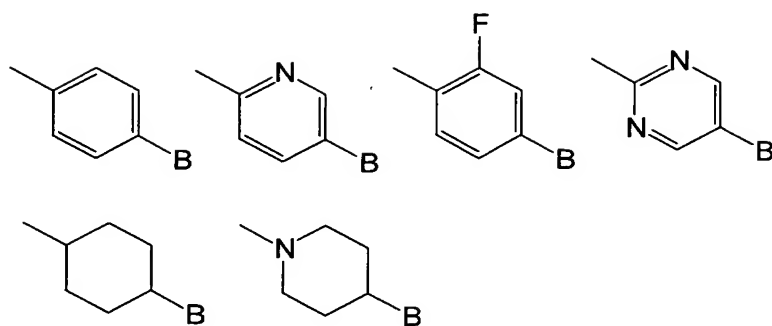
P₄ is -G;

M₄ is -A-B;

G is selected from:

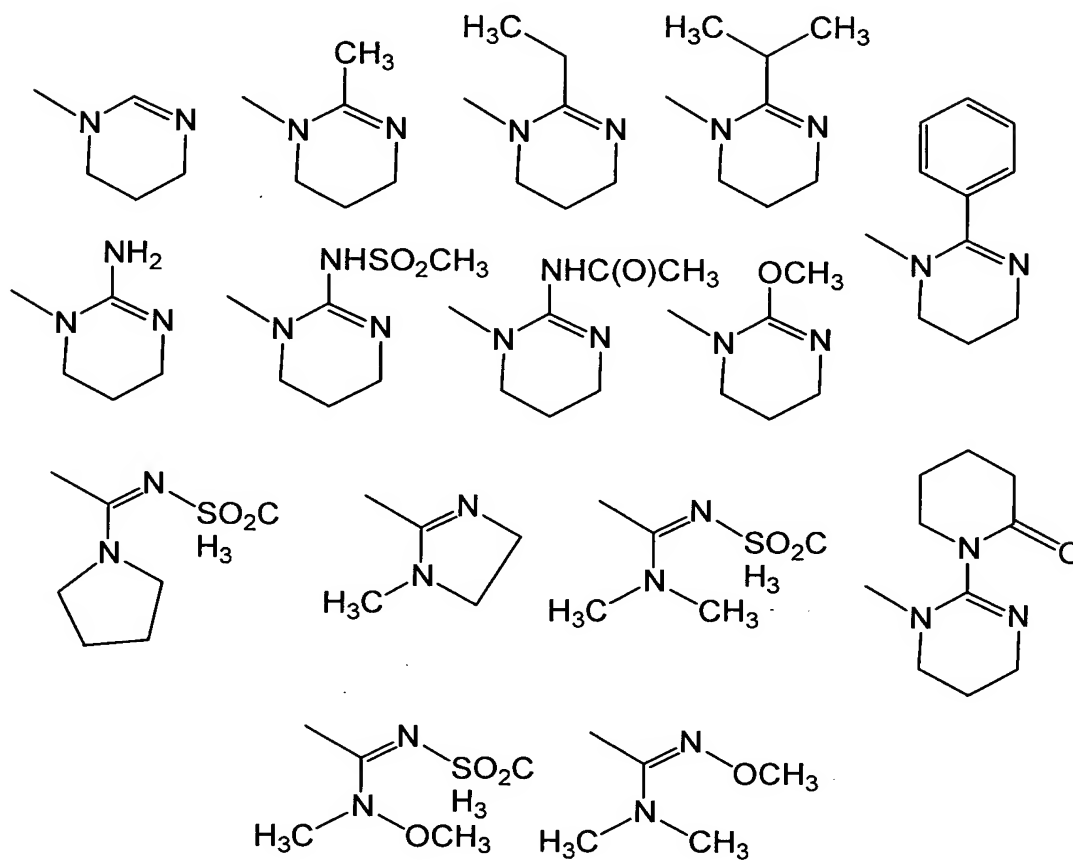


A is selected from:



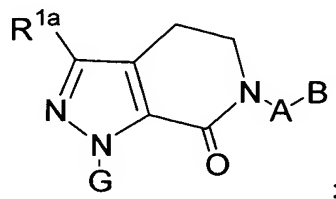
; and

B is selected from:

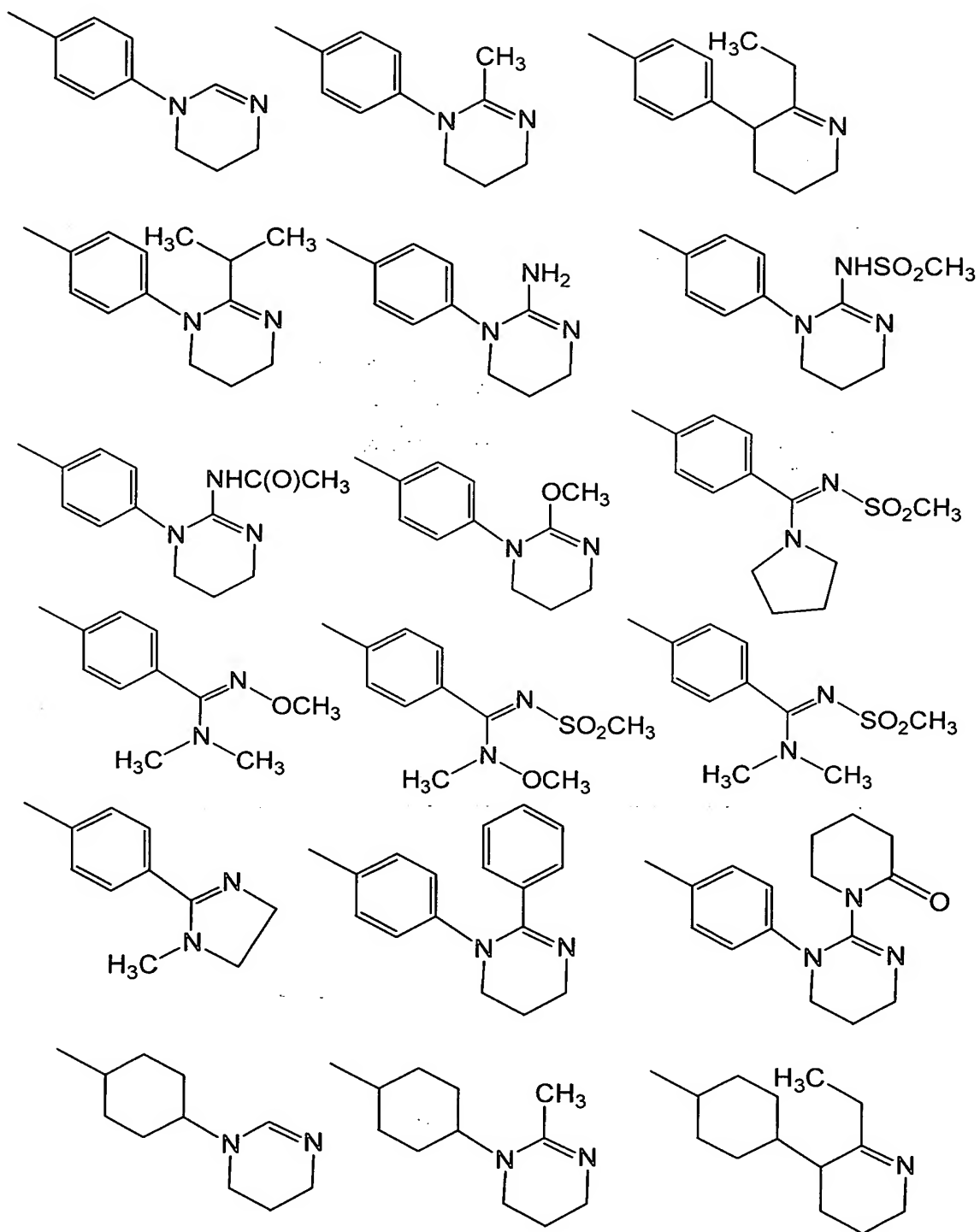


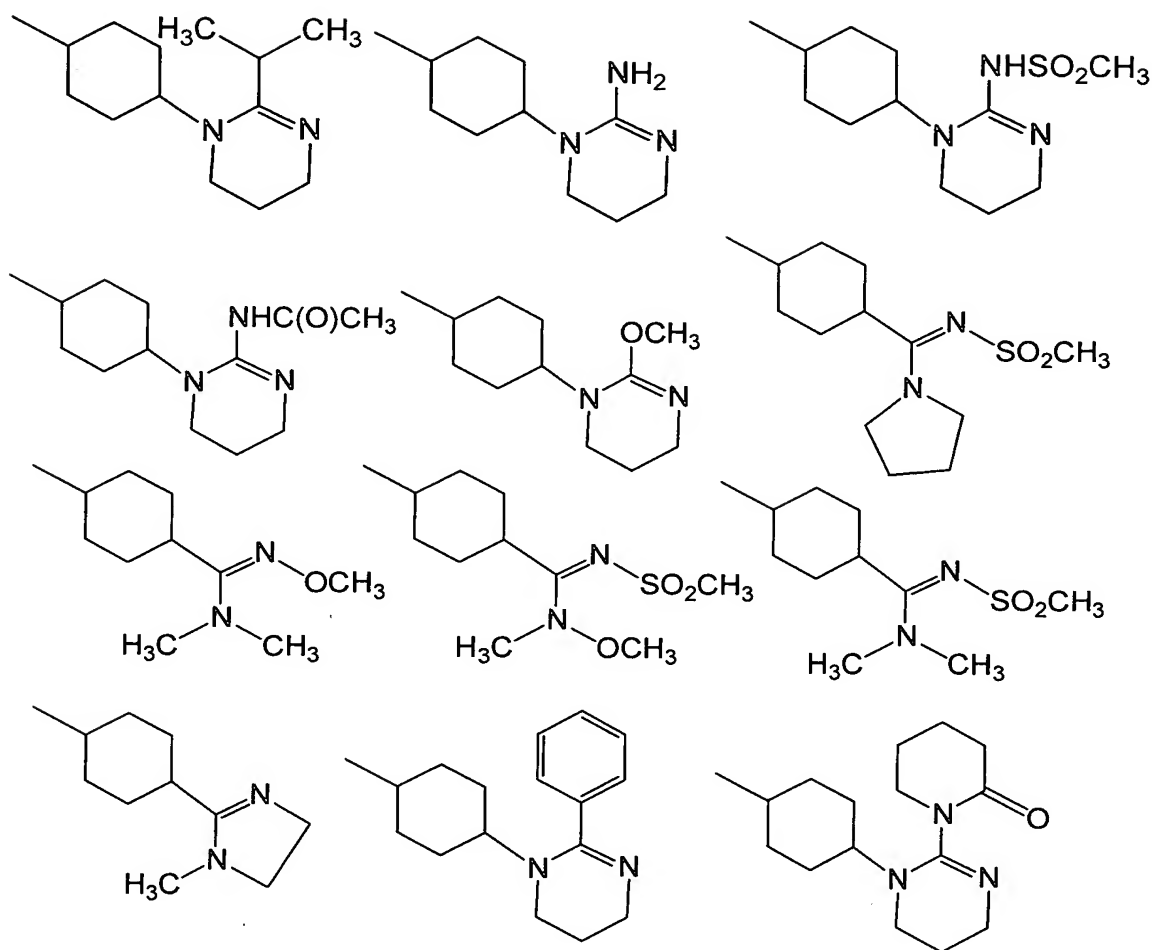
5

7. A compound according to Claim 6, wherein the compound is selected from:



A-B is selected from:





8. A compound according to Claim 1, wherein the compound is selected from
5 the group:

6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 10 6-[4-(2-ethyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-isopropyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 15 1-(4-methoxy-phenyl)-6-[4-(2-phenyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylamino-methylene)-methanesulfonamide;
- 5 N-(amino-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- N-(dimethylamino-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- 10 N-((ethyl-methyl-amino)-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-piperidin-1-yl-methylene)-methanesulfonamide;
- 15 N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-morpholin-4-yl-methylene)-methanesulfonamide;
- N-((benzyl-methyl-amino)-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- 20 6-[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 6-[4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 25 N-({4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-dimethylamino-methylene)-methanesulfonamide;
- N-(dimethylamino-{4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- 30

N-({4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-pyrrolidin-1-yl-methylene)-methanesulfonamide;

5 N-({4-[3-isopropenyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-pyrrolidin-1-yl-methylene)-methanesulfonamide;

N-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-methanesulfonamide;

10 (1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-carbamic acid methyl ester;

N-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-acetamide;

15 1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-piperidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-pyrrolidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-cyano-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

25 N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-methanesulfonamide;

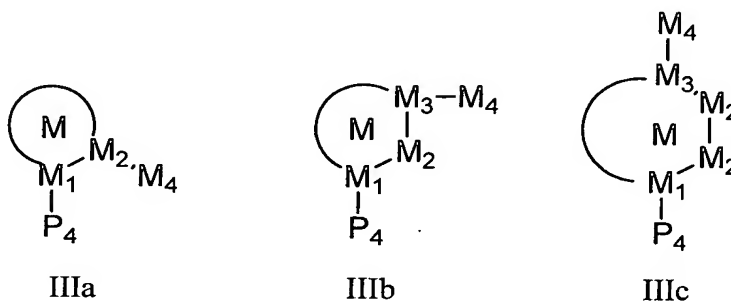
N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-N-methyl-methanesulfonamide;

N-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-1,4,5,6-tetrahydro-pyrimidin-2-yl)-acetamide;

- 6-[4-(2-methoxy-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 6-[4-(2-isopropyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 10 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-[4-(2-phenyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-{4-[2-(2-oxo-piperidin-1-yl)-5,6-dihydro-4H-pyrimidin-1-yl]-phenyl}-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 6-[4-(5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-isopropoxy-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 3-{6-[4-(2-amino-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-methanesulfonyl-7-oxo-4,5,6,7-tetrahydro-pyrazolo[3,4-c]pyridin-1-yl}-benzamide;
- 20 3-{3-methanesulfonyl-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-pyrazolo[3,4-c]pyridin-1-yl}-benzamide;
- 1-(3-chloro-phenyl)-6-[4-(2-methyl-5,6-dihydro-4H-pyrimidin-1-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- N-(diethylamino-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-methylene)-methanesulfonamide;
- 25 1-(4-methoxy-phenyl)-6-[4-(1-methyl-4,5-dihydro-1H-imidazol-2-yl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 6-[4-(4,5-dihydro-1H-imidazol-2-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 30 6-[4-(1-methanesulfonyl-4,5-dihydro-1H-imidazol-2-yl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- and

2-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-4,5-dihydro-imidazole-1-carboxylic acid ethyl ester; or a pharmaceutically acceptable salt form thereof.

- 5 9. A compound according to Claim 1, wherein the compound is of Formula IIIa, IIIb, or IIIc:



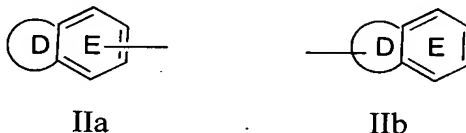
or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

- 10 ring M, including M₁, M₂, and, if present, M₃, is phenyl or a 3-10 membered carbocyclic or 4-10 membered heterocyclic ring consisting of: carbon atoms and 1-4 heteroatoms selected from O, S(O)_p, N, and NZ²;

ring M is substituted with 0-3 R^{1a} and 0-2 carbonyl groups, and there are 0-3 ring double bonds;

- 15 one of P₄ and M₄ is -Z-A-B and the other -G₁-G;

G is a group of formula IIa or IIb:



- 20 ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

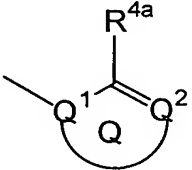
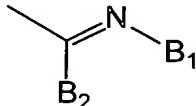
- 25 alternatively, ring D is absent, and ring E is selected from phenyl, pyridyl, pyrimidyl, and thienyl, and ring E is substituted with 1-3 R;

alternatively, ring D is absent, ring E is selected from phenyl, pyridyl, and thienyl, and ring E is substituted with 1 R and substituted with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, wherein the 5-6 membered heterocycle is substituted
 5 with 0-2 carbonyl and 1-2 R and there are 0-3 ring double bonds;

R is selected from H, C₁₋₄ alkyl, F, Cl, OH, OCH₃, OCH₂CH₃, OCH(CH₃)₂, -CN, C(=NH)NH₂, C(=NH)NHOH, C(=NH)NHOCH₃, NH₂, NH(C₁₋₃ alkyl), N(C₁₋₃ alkyl)₂, CH₂NH₂, CH₂NH(C₁₋₃ alkyl), CH₂N(C₁₋₃ alkyl)₂, (CR⁸R⁹)_tNR⁷R⁸, C(O)NR⁷R⁸, CH₂C(O)NR⁷R⁸, S(O)_pNR⁷R⁸, CH₂S(O)_pNR⁷R⁸, SO₂R³, and OCF₃;

10 alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

A is selected from: C₅₋₁₀ carbocycle substituted with 0-2 R⁴, and 5-10 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R⁴;

15 B is selected from  and ; provided that Z and B are attached to different atoms on A and that the R^{4a} shown is other than OH;

Q¹ and Q² are each N;

alternatively, one of Q¹ and Q² is CR³ and R^{4a} is NR²R^{2a} or NR^{3a}B₁,
 provided that when one of Q¹ and Q² is CR³, then this R³ group optionally forms a
 20 ring with the R² group of R^{4a}, this ring is a 5-6 membered ring consisting of, in addition to the C-C-N shown, carbon atoms and from 0-1 additional heteroatoms selected from N, O, and S(O)_p, and this ring is substituted with 0-1 R⁵;

ring Q is a 5-6 membered ring consisting of, in addition to the Q¹-CR^{4a}=Q² group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)_p, and
 25 the ring is substituted with an additional 0-2 R^{4a};

B₁ is selected from SO₂R^{3b}, C(O)R^{3b}, SO₂NR³R^{3b}, C(O)NR³R^{3b}, OR², and -CN;

B_2 is NR^2R^{2d} or $CR^3R^2R^{2d}$;

alternatively, $CR^3R^2R^{2d}$ forms a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

5 alternatively, NR^2R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} ;

alternatively, when B_2 is NR^2R^{2d} , B_1 and R^{2d} combine to form a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and $S(O)_p$, and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, is selected from SO_2R^{3b} and $C(O)R^{3b}$;

15 Z is selected from a bond, CH_2 , CH_2CH_2 , CH_2O , OCH_2 , $C(O)$, NH , CH_2NH , $NHCH_2$, $CH_2C(O)$, $C(O)CH_2$, $C(O)NH$, $NHC(O)$, $NHC(O)CH_2C(O)NH$, $S(O)_2$, $CH_2S(O)_2$, $S(O)_2(CH_2)$, SO_2NH , and $NHSO_2$, wherein the right side of Z is attached to A , provided that Z does not form a N-S, NCH_2N , NCH_2O , or NCH_2S bond with either group to which it is attached;

Z^2 is selected from H, C_{1-4} alkyl, phenyl, benzyl, $C(O)R^{3b}$, $S(O)R^{3f}$, and $S(O)_2R^{3f}$;

20 R^{1a} , at each occurrence, is selected from H, $-(CH_2)_r-R^{1b}$, $-(CH(CH_3))_r-R^{1b}$, $-(C(CH_3)_2)_r-R^{1b}$, $-O-(CR^3R^{3a})_r-R^{1b}$, $-NR^2-(CR^3R^{3a})_r-R^{1b}$, and $-S-(CR^3R^{3a})_r-R^{1b}$, provided that R^{1a} forms other than an N-halo, N-S, O-O, or N-CN bond;

alternatively, when two R^{1a} groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and $S(O)_p$, this ring being substituted with 0-2 R^{4b} and 0-3 ring double bonds;

25 R^{1b} is selected from H, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, F, Cl, Br, I, -CN, -CHO, CF_3 , OR^2 , NR^2R^{2a} , $C(O)R^{2b}$, CO_2R^{2b} , $OC(O)R^2$, CO_2R^{2a} , $S(O)_pR^{2b}$, $NR^2(CH_2)_rOR^2$, $NR^2C(O)R^{2b}$, $NR^2C(O)NHR^2$, $NR^2C(O)_2R^{2a}$, $OC(O)NR^2R^{2a}$,

C(O)NR²R^{2a}, C(O)NR²(CH₂)_rOR², SO₂NR²R^{2a}, NR²SO₂R², C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p, and substituted with 0-2 R^{4b}, provided that R^{1b} forms other than an O-O, N-halo, N-S, or
 5 N-CN bond;

R², at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, a -CH₂-C₅₋₆ carbocyclic group substituted with 0-2 R^{4b}, and 5-6 membered heterocycle consisting of: carbon atoms and 1-4
 10 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R^{2a}, at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b},
 15 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

alternatively, NR²R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R² and R^{2a} are attached, and 0-1 additional heteroatoms
 20 selected from the group consisting of N, O, and S(O)_p;

R^{2b}, at each occurrence, is selected from CF₃, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b},
 25 and 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R^{2c}, at each occurrence, is selected from CF₃, OH, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle containing from 1-4

heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

- R^{2d}, at each occurrence, is selected from H, CF₃, C₁₋₄ alkoxy, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃,
 5 C(CH₃)₃, benzyl substituted with 0-2 R^{4b}, C₅₋₆ carbocycle substituted with 0-2 R^{4b}, and 5-6 membered heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b};

R³, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

- 10 R^{3a}, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

alternatively, NR³R^{3a} forms a 5 or 6 membered saturated, partially unsaturated, or unsaturated ring consisting of: carbon atoms and the nitrogen atom to which R³ and R^{3a} are attached;

- 15 R^{3b}, at each occurrence, is selected from H, CF₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, -(C₀₋₁ alkyl)-5-6 membered carbocycle substituted with 0-1 R^{1a}, and -(C₀₋₁ alkyl)-5-6 membered heterocycle substituted with 0-1 R^{1a} and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p;

- 20 R^{3c}, at each occurrence, is selected from CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, benzyl, and phenyl;

R^{3d}, at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂-phenyl, CH₂CH₂-phenyl, and C(=O)R^{3c};

- R⁴, at each occurrence, is selected from H, =O, OR², CH₂OR², (CH₂)₂OR², F,
 25 Cl, Br, I, C₁₋₄ alkyl, -CN, NO₂, NR²R^{2a}, CH₂NR²R^{2a}, (CH₂)₂NR²R^{2a}, C(O)R^{2c}, NR²C(O)R^{2b}, C(O)NR²R^{2a}, SO₂NR²R^{2a}, S(O)_pR^{5a}, CF₃, CF₂CF₃, 5-6 membered carbocycle substituted with 0-1 R⁵, and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-1 R⁵;

- R^{4a} , at each occurrence, is selected from H, CH_2OR^2 , OR^2 , C_{1-4} alkyl, -CN, CH_2CN , NO_2 , CH_2NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $CH_2C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $(CH_2)_rC(O)NR^2R^{2a}$, $NR^2C(O)NR^2R^{2a}$, $(CH_2)_rSO_2NR^2R^{2a}$, $NR^2SO_2NR^2R^{2a}$, $NR^2SO_2R^5$, $(CH_2)_rS(O)_pR^{5a}$, CF_3 , CH_2CF_3 , CH_2 -5-6 membered carbocycle substituted with 0-1 R^5 , 5-6 membered carbocycle substituted with 0-1 R^5 , a CH_2 -5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 , and a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;
- R^{4b} , at each occurrence, is selected from H, $=O$, OR^3 , CH_2OR^3 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $CH_2NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $CH_2C(O)NR^3R^{3a}$, $NR^3C(O)NR^3R^{3a}$, $CH_2NR^3C(O)NR^3R^{3a}$, $C(=NR^3)NR^3R^{3a}$, $CH_2C(=NR^3)NR^3R^{3a}$, $NR^3C(=NR^3)NR^3R^{3a}$, $CH_2NR^3C(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $CH_2SO_2NR^3R^{3a}$, $NR^3SO_2NR^3R^{3a}$, $CH_2NR^3SO_2NR^3R^{3a}$, NR^3SO_2 - C_{1-4} alkyl, $CH_2NR^3SO_2$ - C_{1-4} alkyl, $NR^3SO_2CF_3$, $CH_2NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $CH_2NR^3SO_2$ -phenyl, $S(O)_pCF_3$, $CH_2S(O)_pCF_3$, $S(O)_p$ - C_{1-4} alkyl, $CH_2S(O)_p$ - C_{1-4} alkyl, $S(O)_p$ -phenyl, $CH_2S(O)_p$ -phenyl, CF_3 , and CH_2CF_3 ;
- R^5 , at each occurrence, is selected from H, $=O$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, OR^3 , CH_2OR^3 , F, Cl, -CN, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $NR^3C(O)NR^3R^{3a}$, $CH(=NOR^{3d})$, $C(=NR^3)NR^3R^{3a}$, $NR^3C(=NR^3)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2NR^3R^{3a}$, NR^3SO_2 - C_{1-4} alkyl, $NR^3SO_2CF_3$, NR^3SO_2 -phenyl, $S(O)_pCF_3$, $S(O)_p$ - C_{1-4} alkyl, $S(O)_p$ -phenyl, CF_3 , phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 ; and,

R⁶, at each occurrence, is selected from H, OH, OR², F, Cl, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, CH₂CH₂CH₂CH₃, CH₂CH(CH₃)₂, CH(CH₃)CH₂CH₃, C(CH₃)₃, -CN, NO₂, NR²R^{2a}, CH₂NR²R^{2a}, C(O)R^{2b}, CH₂C(O)R^{2b}, NR²C(O)R^{2b}, NR²C(O)NR²R^{2a}, C(=NH)NH₂, NHC(=NH)NH₂, SO₂NR²R^{2a}, NR²SO₂NR²R^{2a},
 5 and NR²SO₂C₁₋₄ alkyl.

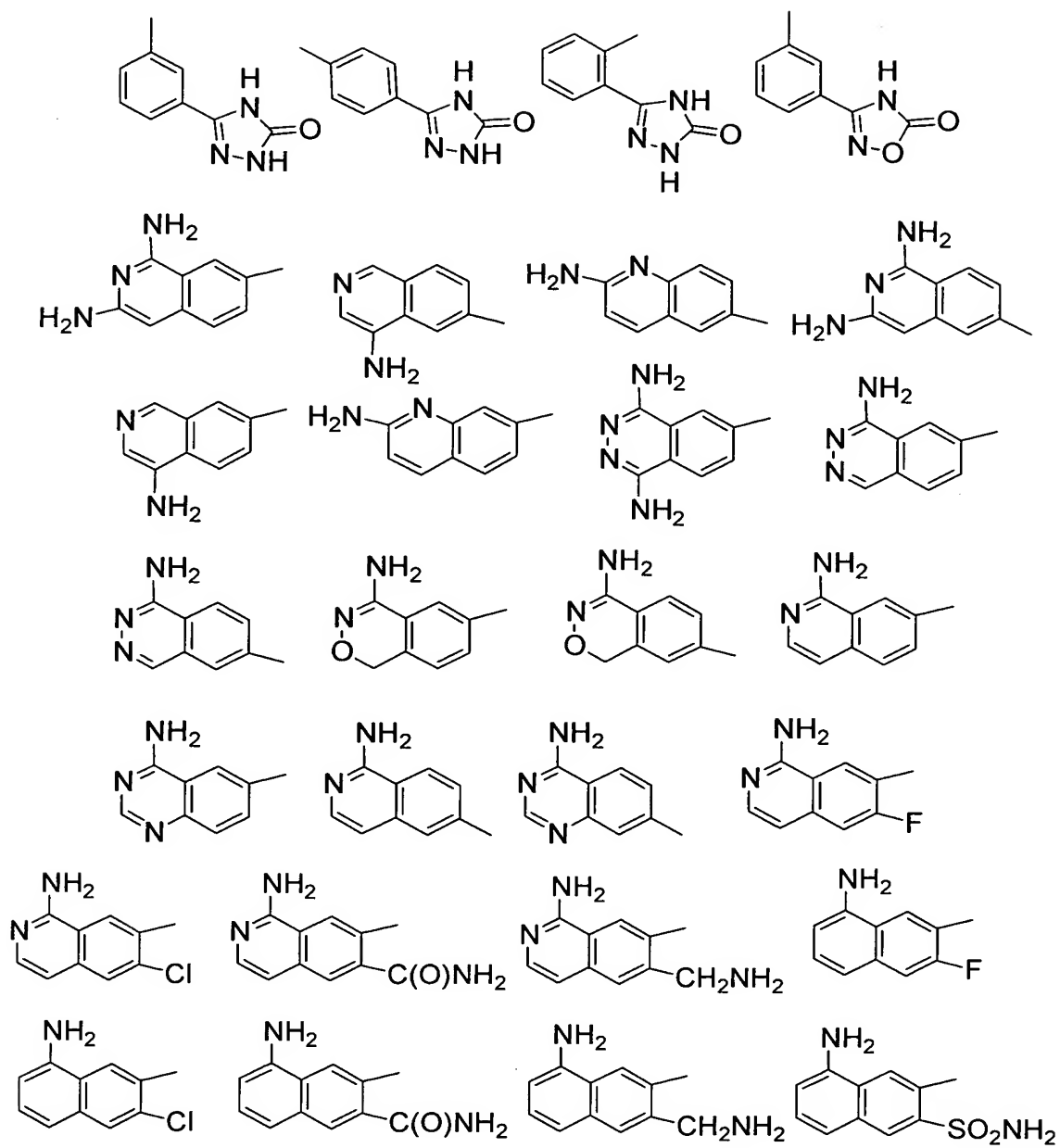
10. A compound according to Claim 9, wherein:

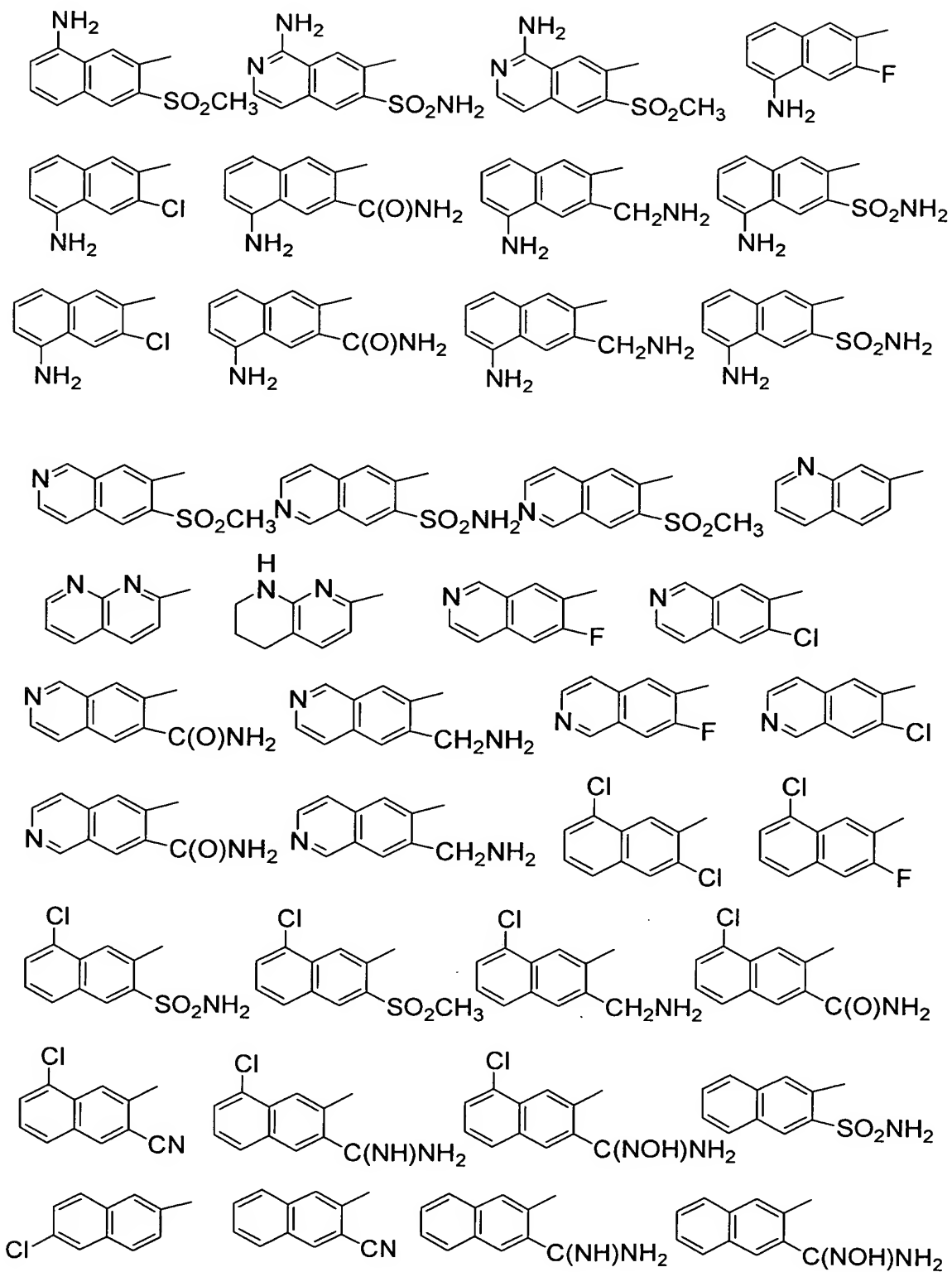
ring M, including M₁, M₂, and, if present, M₃, is selected from phenyl, pyrrole, furan, thiophene, pyrazole, imidazole, isoxazole, oxazole, isothiazole, thiazole, 1,2,3-triazole, 1,2,4-triazole, 1,3,4-triazole, 1,2,3-oxadiazole, 1,2,4-oxadiazole, 1,3,4-oxadiazole, 1,2,3-thiadiazole, 1,2,4-thiadiazole, 1,3,4-thiadiazole, 1,2,3,4-tetrazole, 1,2,3,5-tetrazole, pyran, thiopyran, thiopyran-1,1-dioxide, pyridine, pyrimidine, pyridazine, pyrazine, 1,2,3-triazine, 1,2,4-triazine, 1,2,3,4-tetrazine, dihydro-pyrrole, dihydro-furan, dihydro-thiophene, dihydro-pyrazole, dihydro-imidazole, dihydro-isoxazole, dihydro-oxazole, dihydro-isothiazole, dihydro-thiazole,
 15 dihydro-1,2,3-triazole, dihydro-1,2,4-triazole, dihydro-1,3,4-triazole, dihydro-1,2,3-oxadiazole, dihydro-1,2,4-oxadiazole, dihydro-1,3,4-oxadiazole, dihydro-1,2,3-thiadiazole, dihydro-1,2,4-thiadiazole, dihydro-1,3,4-thiadiazole, dihydro-1,2,3,4-tetrazole, dihydro-1,2,3,5-tetrazole, dihydro-pyran, dihydro-thiopyran, dihydro-thiopyran-1,1-dioxide, dihydro-pyridine, dihydro-pyrimidine, dihydro-pyridazine, dihydro-pyrazine, dihydro-1,2,3-triazine, dihydro-1,2,4-triazine, dihydro-1,2,3,4-tetrazine, cyclopropane, cyclobutane, cyclopentene, cyclopentane, cyclohexene, cyclohexane, cycloheptane, tetrahydro-pyrrole, tetrahydro-furan, tetrahydro-thiophene, tetrahydro-thiophene-1,1-dioxide, tetrahydro-pyrazole, tetrahydro-imidazole, tetrahydro-isoxazole, tetrahydro-oxazole, tetrahydro-isothiazole, tetrahydro-thiazole, tetrahydro-1,2,3-triazole, tetrahydro-1,2,4-triazole, tetrahydro-1,3,4-triazole, tetrahydro-1,2,3-oxadiazole, tetrahydro-1,2,4-oxadiazole, tetrahydro-1,3,4-oxadiazole, tetrahydro-1,2,3-thiadiazole, tetrahydro-1,2,4-thiadiazole, tetrahydro-1,3,4-thiadiazole, tetrahydro-1,2,3,4-tetrazole, tetrahydro-1,2,3,5-tetrazole, tetrahydro-pyran, tetrahydro-thiopyran, tetrahydro-thiopyran-1,1-dioxide, tetrahydro-pyridine, tetrahydro-pyrimidine, tetrahydro-pyridazine, tetrahydro-pyrazine, tetrahydro-1,2,3-triazine, tetrahydro-1,2,4-triazine, tetrahydro-1,2,3,4-tetrazine,
 20
 25
 30

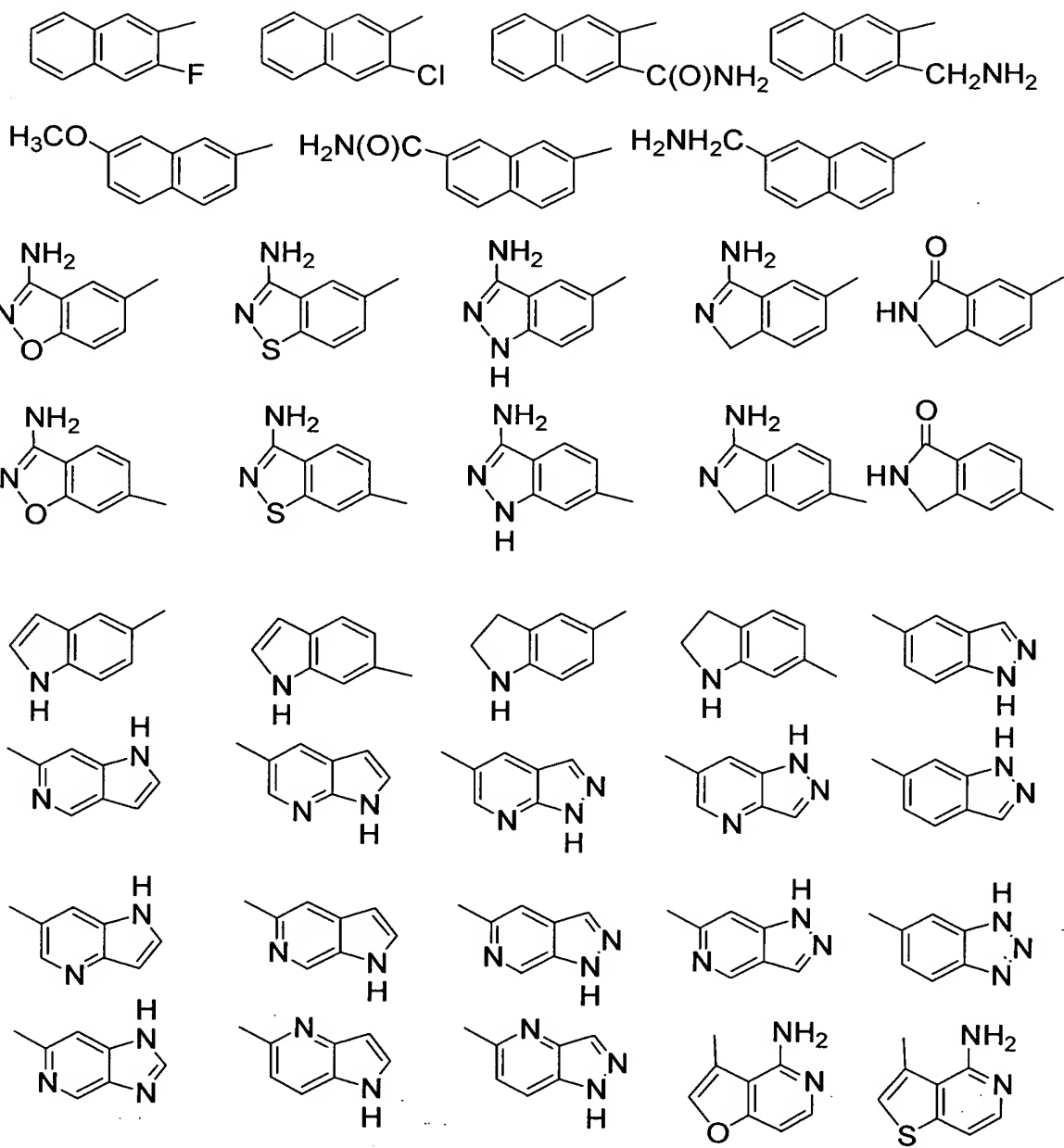
piperidine, indan, 1,2,3,4-tetrahydro-naphthalene, 7,8-dimethyl-1-oxa-spiro[4.4]nonane, 6,7-dihydro-5H-[1]pyrindine, 6,7-dihydro-5H-[2]pyrindine, 5,6,7,8-tetrahydro-quinoline, 5,6,7,8-tetrahydro-isoquinoline, 5,6,7,8-tetrahydro-quinoxaline, 6,7-dihydro-5H-cyclopentapyrazine, 4,5,6,7-tetrahydro-1H-benzoimidazole, 4,5,6,7-tetrahydro-benzothiazole, 4,5,6,7-tetrahydro-benzooxazole, 4,5,6,7-tetrahydro-benzo[c]isothiazole, 4,5,6,7-tetrahydro-benzo[c]isoxazole, 4,5,6,7-tetrahydro-2H-indazole, 4,5,6,7-tetrahydro-2H-isindole, and 4,5,6,7-tetrahydro-1H-indole;

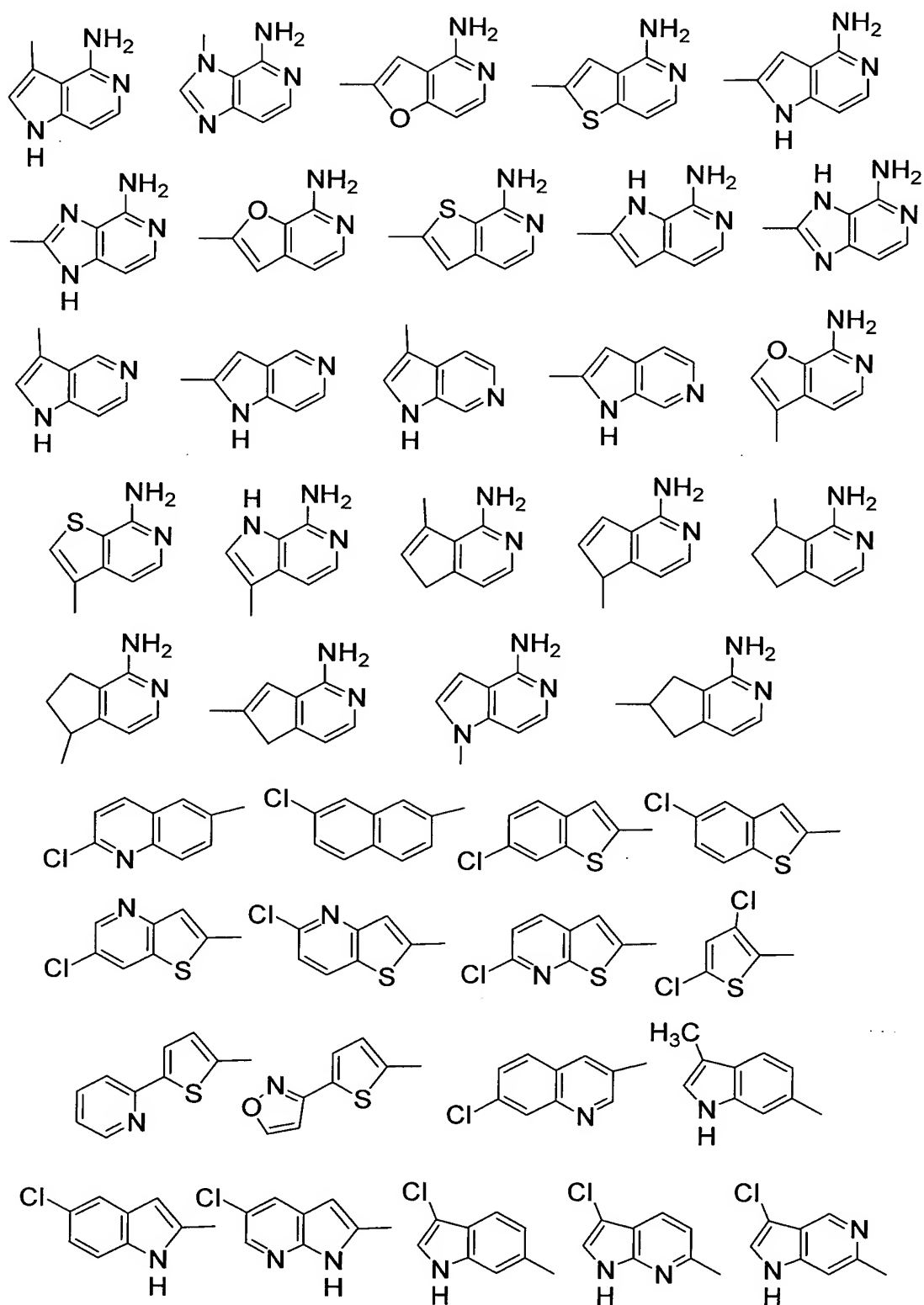
ring M is substituted with 0-3 R^{1a} and 0-1 carbonyl group;

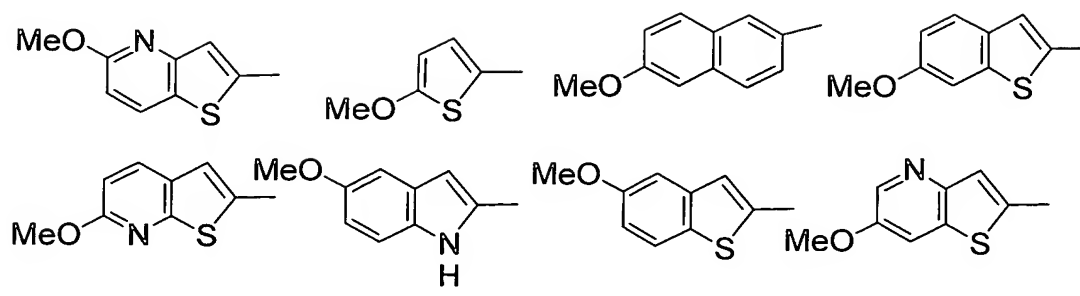
[00672] G is selected from the group: phenyl, 4-ethyl-phenyl, 2,5-bis-aminomethyl-phenyl, 2-amido-4-methoxy-phenyl, 2-amido-5-chloro-phenyl, 2-amido-phenyl, 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-3-methoxy-phenyl, 2-aminomethyl-4-fluoro-phenyl, 2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl, 2-aminomethyl-phenyl; 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl, 2-aminosulfonyl-phenyl, 2-hydroxy-4-methoxy-phenyl, 2-methylsulfonyl-phenyl, 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl, 3-(N-hydroxy-amidino)-phenyl, 3-(N-methoxy-amidino)-phenyl, 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amidino-phenyl, 3-amido-6-hydroxy-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-4-fluoro-phenyl, 3-chloro-phenyl, 3-hydroxy-4-methoxy-phenyl, 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl, 4-amino-5-chloro-thien-2-yl, 4-amino-pyrid-2-yl, 4-chloro-3-fluoro-phenyl, 4-chloro-phenyl, 4-chloro-pyrid-2-yl, 4-methoxy-2-methylsulfonyl-phenyl, 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl, 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl, 5-chloro-2-aminosulfonyl-phenyl, 5-chloro-2-methylsulfonyl-phenyl, 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl, 6-amino-pyrid-2-yl,











- G_1 is absent or is selected from $(CR^3R^{3a})_{1-3}$, $CR^3=CR^3$,
 $(CR^3R^{3a})_u C(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_u O(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_w$,
 5 $(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u S(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u S(O)(CR^3R^{3a})_w$, $(CR^3R^{3a})_u S(O)_2(CR^3R^{3a})_w$,
 $(CR^3R^{3a})_u S(O)NR^{3b}(CR^3R^{3a})_w$, $(CR^3R^{3a})_u NR^{3b}S(O)_2(CR^3R^{3a})_w$, and
 $(CR^3R^{3a})_u S(O)_2NR^{3b}(CR^3R^{3a})_w$, wherein $u+w$ or $u+u+w$ total 0, 1, or 2, wherein the
 right side of G_1 is attached to G , provided that G_1 does not form a N-S, NCH_2N ,
 10 NCH_2O , or NCH_2S bond with either group to which it is attached;

- A is selected from one of the following carbocyclic and heterocyclic groups
 which are substituted with 0-2 R^4 ; cyclohexyl, phenyl, piperidinyl, piperazinyl,
 pyridyl, pyrimidyl, furanyl, morpholinyl, thienyl, pyrrolyl, pyrrolidinyl, oxazolyl,
 isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, 1,2,3-oxadiazolyl,
 15 1,2,4-oxadiazolyl, 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, 1,2,3-thiadiazolyl,
 1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl, 1,2,3-triazolyl,
 1,2,4-triazolyl, 1,2,5-triazolyl, 1,3,4-triazolyl, benzofuranyl, benzothiofuranyl,
 indolinyl, indolyl, benzimidazolyl, benzoxazolyl, benzthiazolyl, indazolyl,
 benzisoxazolyl, benzisothiazolyl, and isoindazolyl;

- 20 B is selected from and ; provided that Z and B
 are attached to different atoms on A and that the R^{4a} shown is other than OH ;

ring Q is a 5-6 membered ring consisting of, in addition to the $\text{N-CR}^{4a}=\text{N}$ group shown, carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)_p , and the ring is substituted with an additional 0-2 R^{4a} ;

B_1 is selected from SO_2R^{3b} and OR^2 ;

5 B_2 is NR^2R^{2d} ;

alternatively, NR^2R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-2 additional heteroatoms selected from N, O, and S(O)_p , and this ring is substituted with 0-2 R^{4b} ;

alternatively, B_1 and R^{2d} combine to form a 5-6 membered ring consisting of:
10 carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)_p , and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, can be SO_2R^{3b} ;

R^{1a} is selected from H, R^{1b} , $\text{CH}(\text{CH}_3)\text{R}^{1b}$, $\text{C}(\text{CH}_3)_2\text{R}^{1b}$, CH_2R^{1b} , and $\text{CH}_2\text{CH}_2\text{R}^{1b}$, provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

15 alternatively, when two R^{1a} groups are attached to adjacent atoms, together with the atoms to which they are attached they form a 5-6 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)_p , this ring being substituted with 0-2 R^{4b} and 0-3 ring double bonds;

R^{1b} is selected from H, CH_3 , CH_2CH_3 , F, Cl, Br, -CN, -CHO, CF_3 , OR^2 ,
20 NR^2R^{2a} , C(O)R^{2b} , CO_2R^{2b} , OC(O)R^2 , CO_2R^{2a} , $\text{S(O)}_p\text{R}^{2b}$, $\text{NR}^2(\text{CH}_2)_r\text{OR}^2$,
 $\text{NR}^2\text{C(O)R}^{2b}$, $\text{C(O)NR}^2\text{R}^{2a}$, $\text{SO}_2\text{NR}^2\text{R}^{2a}$, $\text{NR}^2\text{SO}_2\text{R}^2$, phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p , and substituted with 0-2 R^{4b} , provided that R^{1b} forms other than an O-O, N-halo, N-S, or N-CN
25 bond;

R^2 , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{CH}(\text{CH}_3)_2$, phenyl substituted with 0-2 R^{4b} , a benzyl substituted with 0-2 R^{4b} , and a 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-2 R^{4b} ;

R^{2a} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-2 R^{4b} , phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

alternatively, NR^2R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-2 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and $S(O)_p$;

R^{2b} , at each occurrence, is selected from CF_3 , C_{1-4} alkoxy, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-2 R^{4b} , phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2c} , at each occurrence, is selected from CF_3 , OH, OCH_3 , OCH_2CH_3 , $OCH_2CH_2CH_3$, $OCH(CH_3)_2$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-2 R^{4b} , phenyl substituted with 0-2 R^{4b} , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-2 R^{4b} ;

R^{2d} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, OCH_3 , and benzyl;

R^{3b} , at each occurrence, is selected from H, CF_3 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, and $CH(CH_3)_2$;

R^4 , at each occurrence, is selected from H, OR^2 , CH_2OR^2 , $(CH_2)_2OR^2$, F, Cl, Br, I, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $(CH_2)_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, CF_3 , and CF_2CF_3 ;

R^{4a} , at each occurrence, is selected from H, OR^2 , CH_2OR^2 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$,

$C(CH_3)_3$, $-CN$, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $NR^2C(O)NR^2R^{2a}$, $NR^2SO_2R^5$, $SO_2NR^2R^{2a}$, 6 membered carbocycle substituted with 0-1 R^5 , and a 5-6 membered heterocycle consisting of: carbon atoms and 1-2 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted

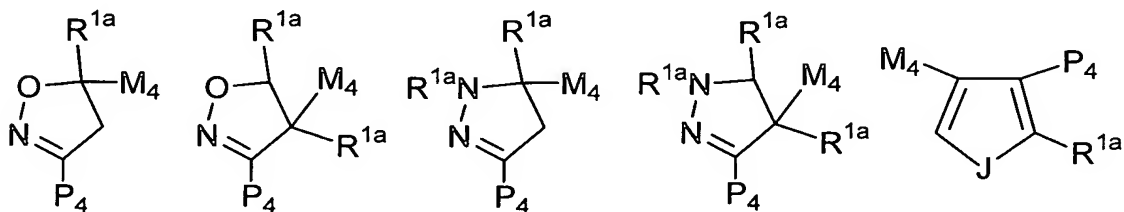
5 with 0-1 R^5 ;

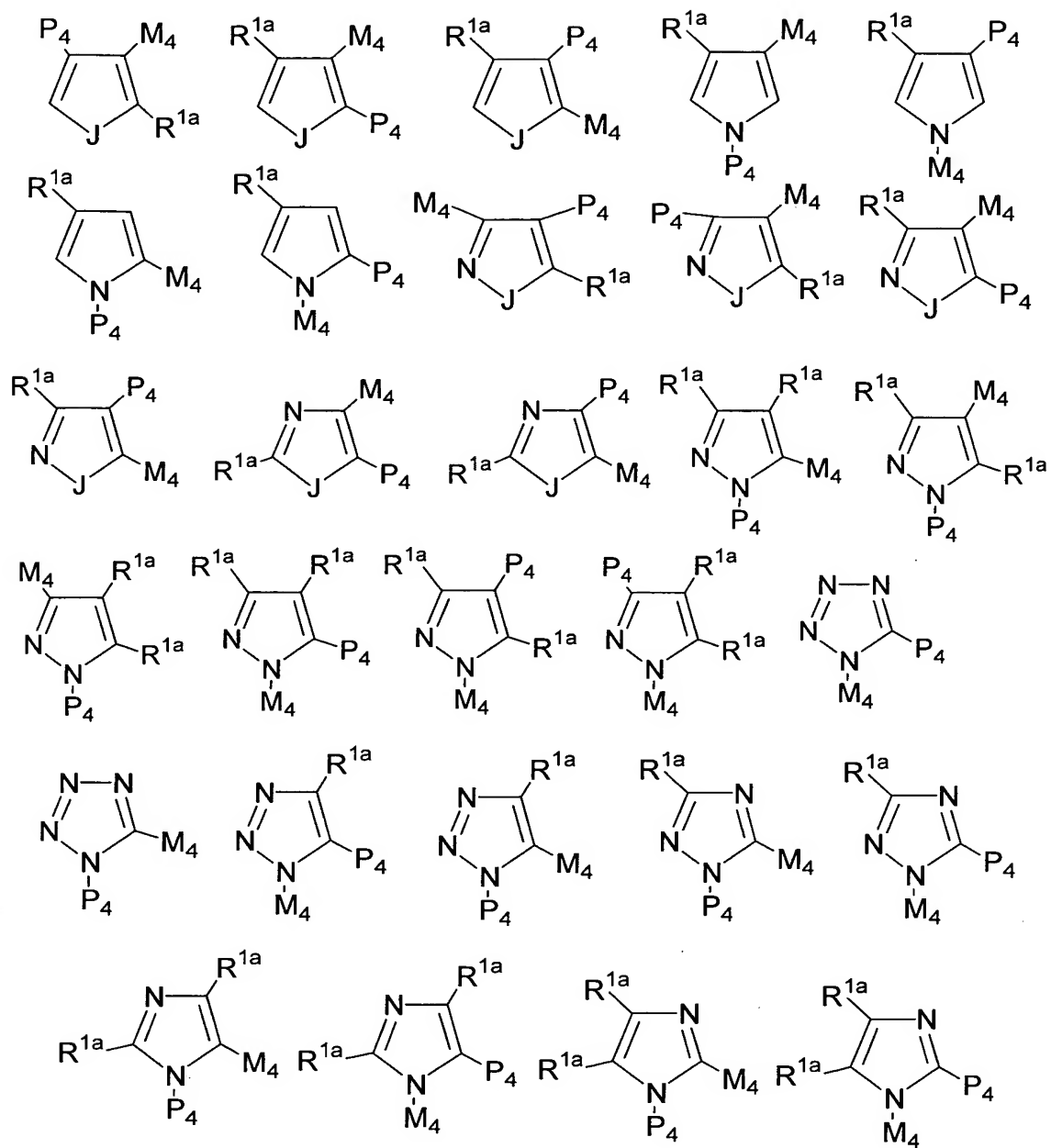
R^{4b} , at each occurrence, is selected from H, $=O$, OR^3 , CH_2OR^3 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $-CN$, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $CH_2NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $CH_2C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $CH_2SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl, 10 $CH_2NR^3SO_2-C_{1-4}$ alkyl, NR^3SO_2 -phenyl, $CH_2NR^3SO_2$ -phenyl, $S(O)_pCF_3$, $CH_2S(O)_pCF_3$, $S(O)_p-C_{1-4}$ alkyl, $CH_2S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, $CH_2S(O)_p$ -phenyl, and CF_3 ;

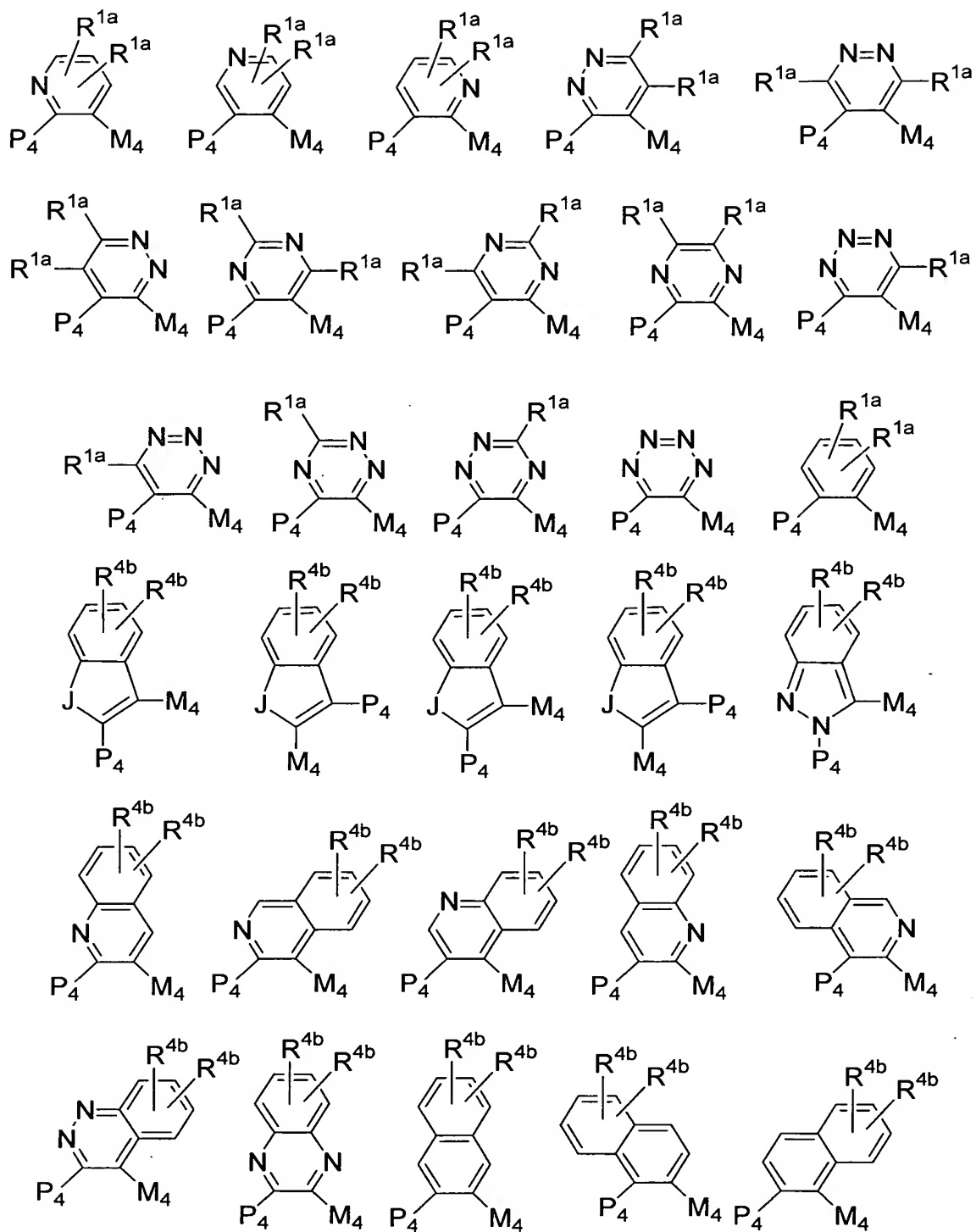
R^5 , at each occurrence, is selected from H, $=O$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, OR^3 , CH_2OR^3 , F, Cl, $-CN$, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, 15 $CH_2C(O)R^3$, $C(O)OR^{3c}$, $CH_2C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, CF_3 , phenyl substituted with 0-2 R^6 , naphthyl substituted with 0-2 R^6 , and benzyl substituted with 0-2 R^6 ; and,

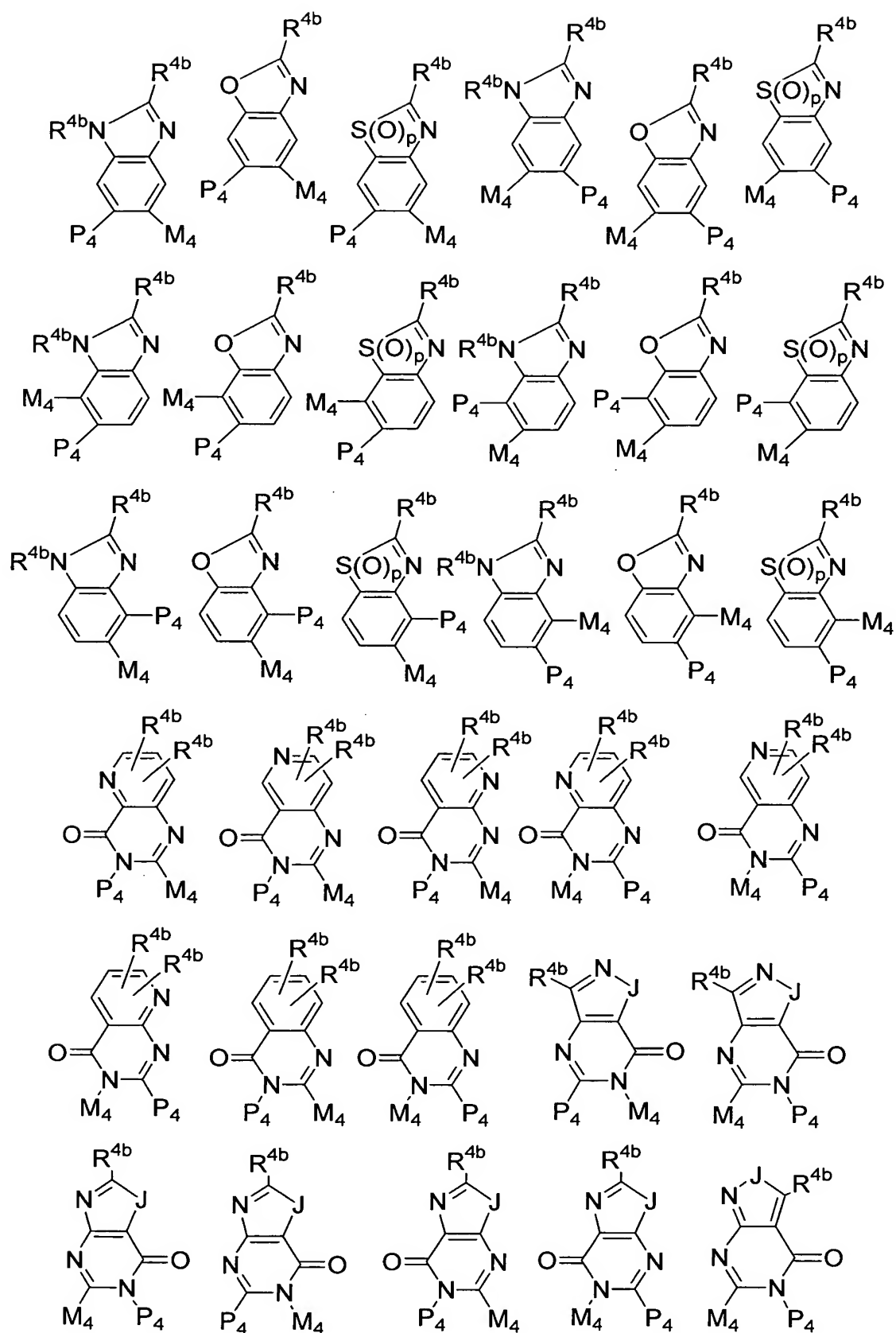
R^6 , at each occurrence, is selected from H, OH, OR^2 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $-CN$, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2b}$, $CH_2C(O)R^{2b}$, 20 $NR^2C(O)R^{2b}$, $SO_2NR^2R^{2a}$, and $NR^2SO_2C_{1-4}$ alkyl.

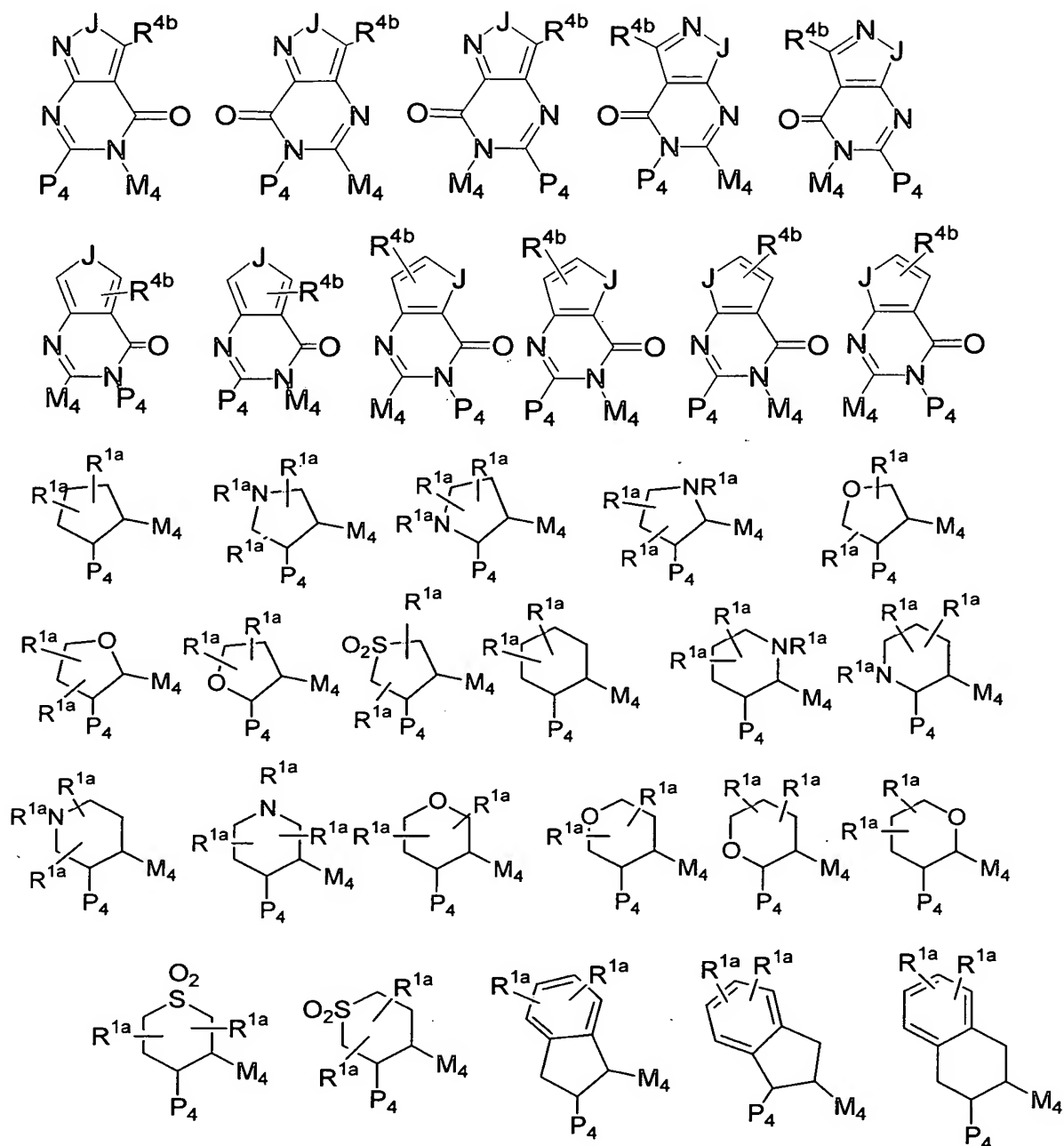
11. A compound according to Claim 10, wherein the compound is selected from:











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J is selected from O, S, NH, and NR^{1a};

[00673] G is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,

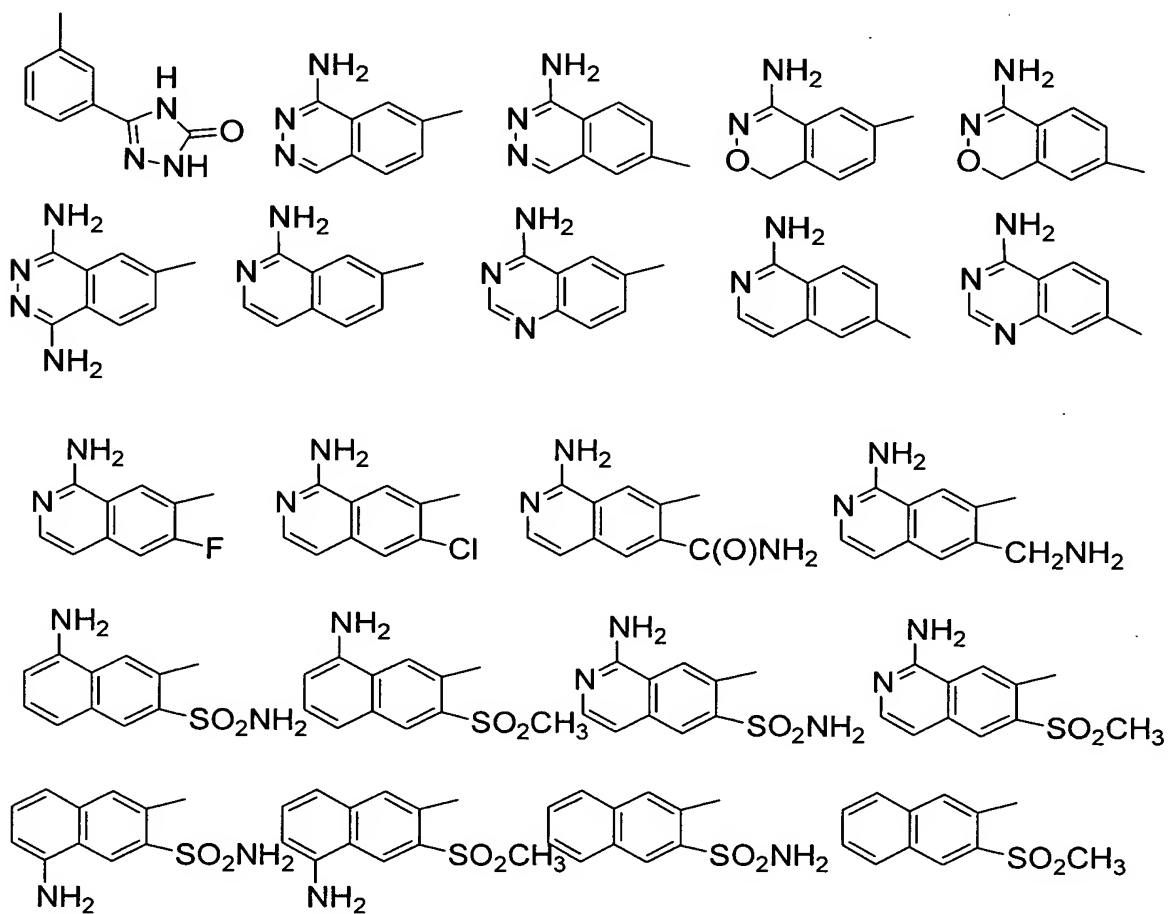
2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,

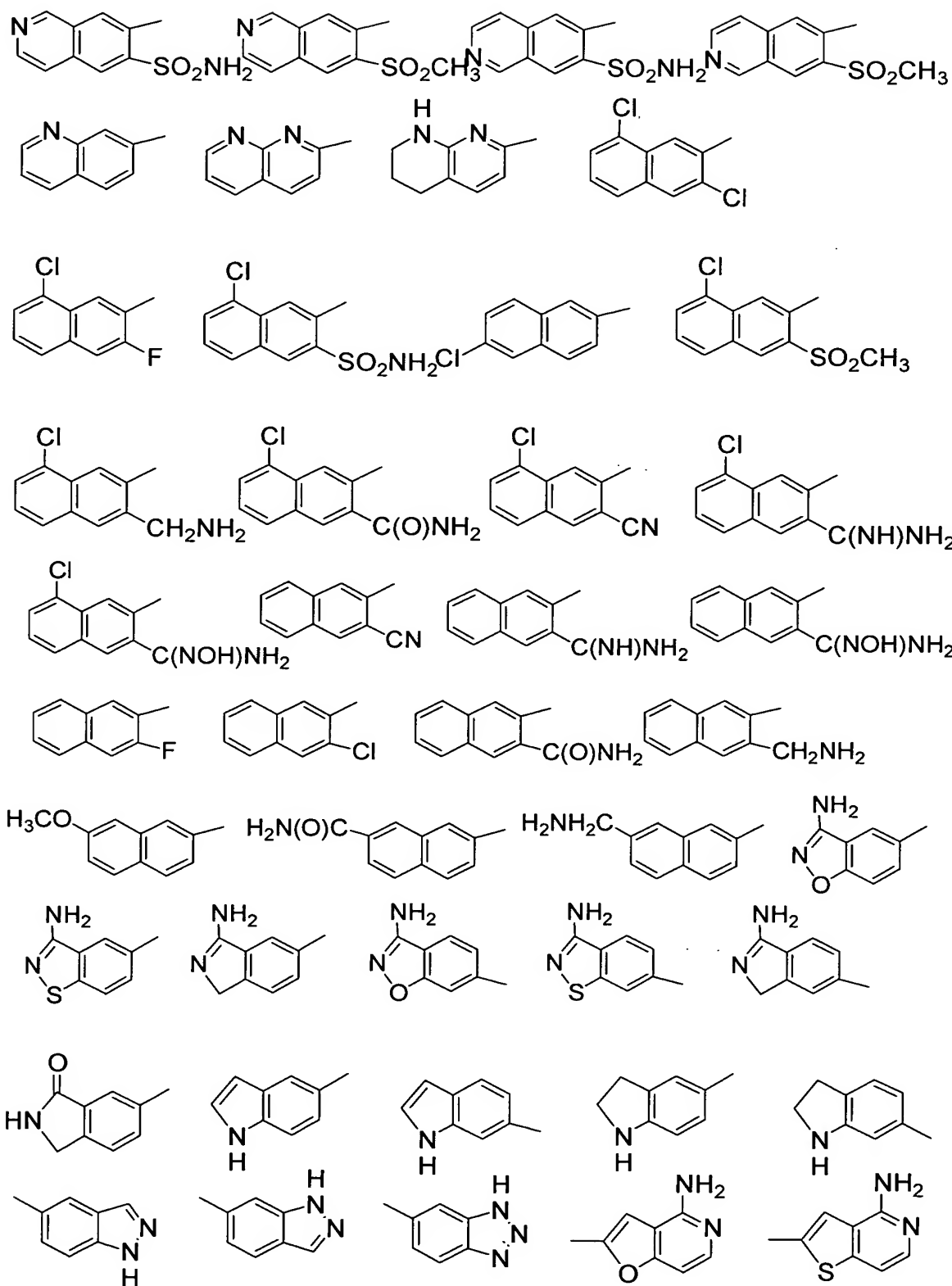
2-aminomethyl-4-methoxy-phenyl, 2-aminomethyl-5-fluoro-phenyl,

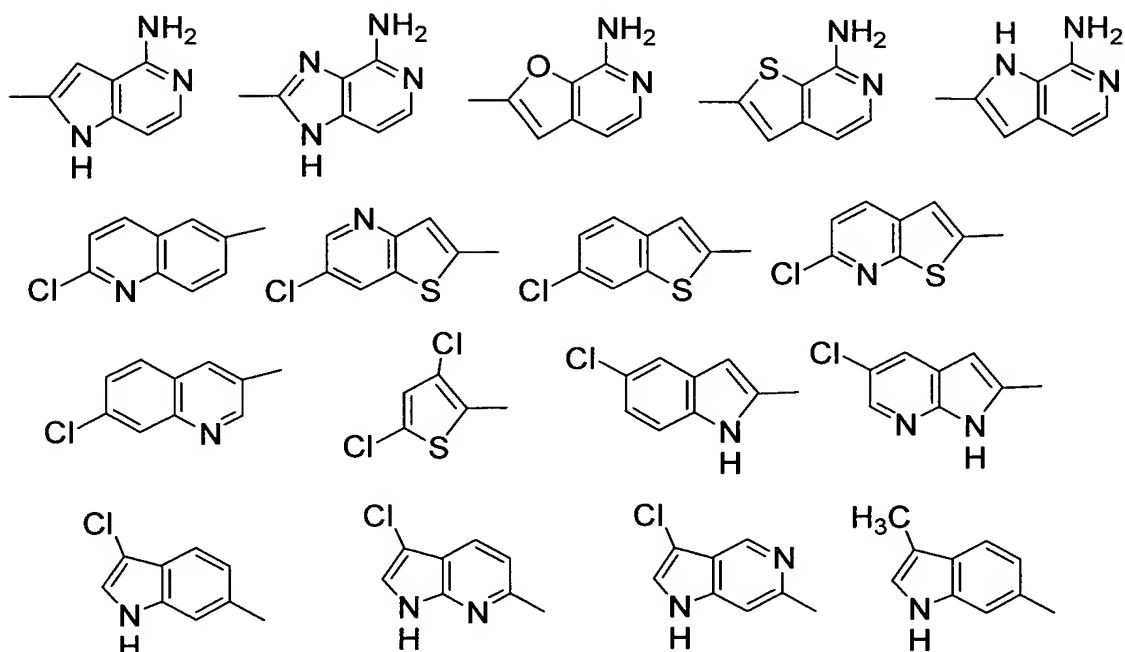
10 2-aminomethyl-5-methoxy-phenyl, 2-aminomethyl-6-fluoro-phenyl,

2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-phenyl,

- 2-aminosulfonyl-phenyl, 2-methylsulfonyl-phenyl,
 3-(N,N-dimethylamino)-4-chloro-phenyl, 3-(N,N-dimethylamino)-phenyl,
 3-(N-methylamino)-4-chloro-phenyl, 3-(N-methylamino)-phenyl, 3-amido-phenyl,
 3-amino-4-chloro-phenyl, 3-aminomethyl-phenyl, 3-amino-phenyl, 3-chloro-phenyl,
 5 4-(N,N-dimethylamino)-5-chloro-thien-2-yl, 4-(N-methylamino)-5-chloro-thien-2-yl,
 4-amino-5-chloro-thien-2-yl, 4-chloro-phenyl, 4-methoxy-2-methylsulfonyl-phenyl,
 4-methoxy-phenyl, 5-(N,N-dimethylamino)-4-chloro-thien-2-yl,
 5-(N-methylamino)-4-chloro-thien-2-yl, 5-amino-4-chloro-thien-2-yl,
 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,
 10 6-amino-pyrid-2-yl,

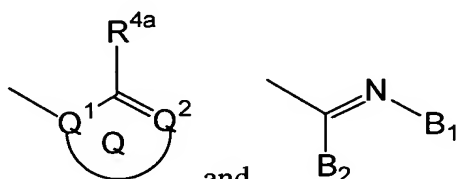


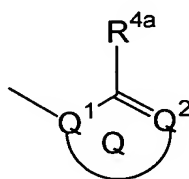
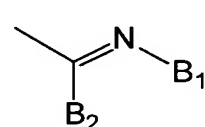




G_1 is absent or is selected from CH₂, CH₂CH₂, CH₂O, OCH₂, NH, CH₂NH, NHCH₂, CH₂C(O), C(O)CH₂, C(O)NH, NHC(O), CH₂S(O)₂, S(O)₂(CH₂), SO₂NH, and NHSO₂, wherein the right side of G_1 is attached to G, provided that G_1 does not form a N-S, NCH₂N, NCH₂O, or NCH₂S bond with either group to which it is attached;

A is selected from cyclohexyl, indolinyl, phenyl, pyridyl, and pyrimidyl, and is substituted with 0-2 R⁴;



B is selected from  and ; provided that Z and B are attached to different atoms on A and that the R^{4a} shown is other than OH;

ring Q is a 5-6 membered ring consisting of, in addition to the N-CR^{4a}=N group shown, carbon atoms and 0-1 heteroatoms selected from N, O, and S(O)_p, and the ring is substituted with an additional 0-2 R^{4a};

B₁ is selected from SO₂R^{3b} and OR²;

B₂ is NR²R^{2d};

alternatively, NR^2R^{2d} forms a 5-6 membered ring consisting of: carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)_p , and this ring is substituted with 0-1 R^{4b} ;

alternatively, B_1 and R^{2d} combine to form a 5 membered ring consisting of:
 5 carbon atoms and 0-1 additional heteroatoms selected from N, O, and S(O)_p , and this ring is substituted with 0-2 R^{4b} and the R^2 group of NR^2R^{2d} , in addition to the groups recited below, can be SO_2R^{3b} ;

R^{1a} , at each occurrence, is selected from H, R^{1b} , $\text{CH}(\text{CH}_3)\text{R}^{1b}$, $\text{C}(\text{CH}_3)_2\text{R}^{1b}$, and CH_2R^{1b} , provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

10 R^{1b} is selected from CH_3 , CH_2CH_3 , F, Cl, Br, -CN, CF_3 , OR^2 , NR^2R^{2a} , $\text{C(O)}\text{R}^{2b}$, CO_2R^{2b} , CO_2R^{2a} , $\text{S(O)}_p\text{R}^{2b}$, $\text{C(O)}\text{NR}^2\text{R}^{2a}$, $\text{SO}_2\text{NR}^2\text{R}^{2a}$, $\text{NR}^2\text{SO}_2\text{R}^2$, and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p , and substituted with 0-2 R^{4b} , provided that R^{1b} forms other than an O-O, N-halo, N-S, or N-CN
 15 bond;

R^2 , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{CH}(\text{CH}_3)_2$, phenyl substituted with 0-1 R^{4b} , benzyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-1 R^{4b} ;

20 R^{2a} , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , $\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{CH}(\text{CH}_3)_2$, benzyl substituted with 0-1 R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-1 R^{4b} ;

alternatively, NR^2R^{2d} forms a 5 or 6 membered saturated, partially saturated,
 25 or unsaturated ring substituted with 0-1 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R^2 and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)_p ;

R^{2b} , at each occurrence, is selected from OCH_3 , OCH_2CH_3 , $\text{OCH}_2\text{CH}_2\text{CH}_3$, $\text{OCH}(\text{CH}_3)_2$, CH_3 , CH_2CH_3 , $\text{CH}_2\text{CH}_2\text{CH}_3$, $\text{CH}(\text{CH}_3)_2$, benzyl substituted with 0-1

R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^{4b} ;

- R^{2c} , at each occurrence, is selected from OH, OCH_3 , OCH_2CH_3 ,
 5 $OCH_2CH_2CH_3$, $OCH(CH_3)_2$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, benzyl substituted with 0-1 R^{4b} , phenyl substituted with 0-1 R^{4b} , and 5-6 membered aromatic heterocycle containing from 1-4 heteroatoms selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^{4b} ;

- R^{2d} , at each occurrence, is selected from H, CH_3 , CH_2CH_3 , OCH_3 , and
 10 benzyl;

R^{3b} , at each occurrence, is selected from H and CH_3 ;

- R^4 , at each occurrence, is selected from OH, OR^2 , CH_2OR^2 , $(CH_2)_2OR^2$, F, Br, Cl, I, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$,
 $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $(CH_2)_2NR^2R^{2a}$,
 15 CF_3 , and CF_2CF_3 ;

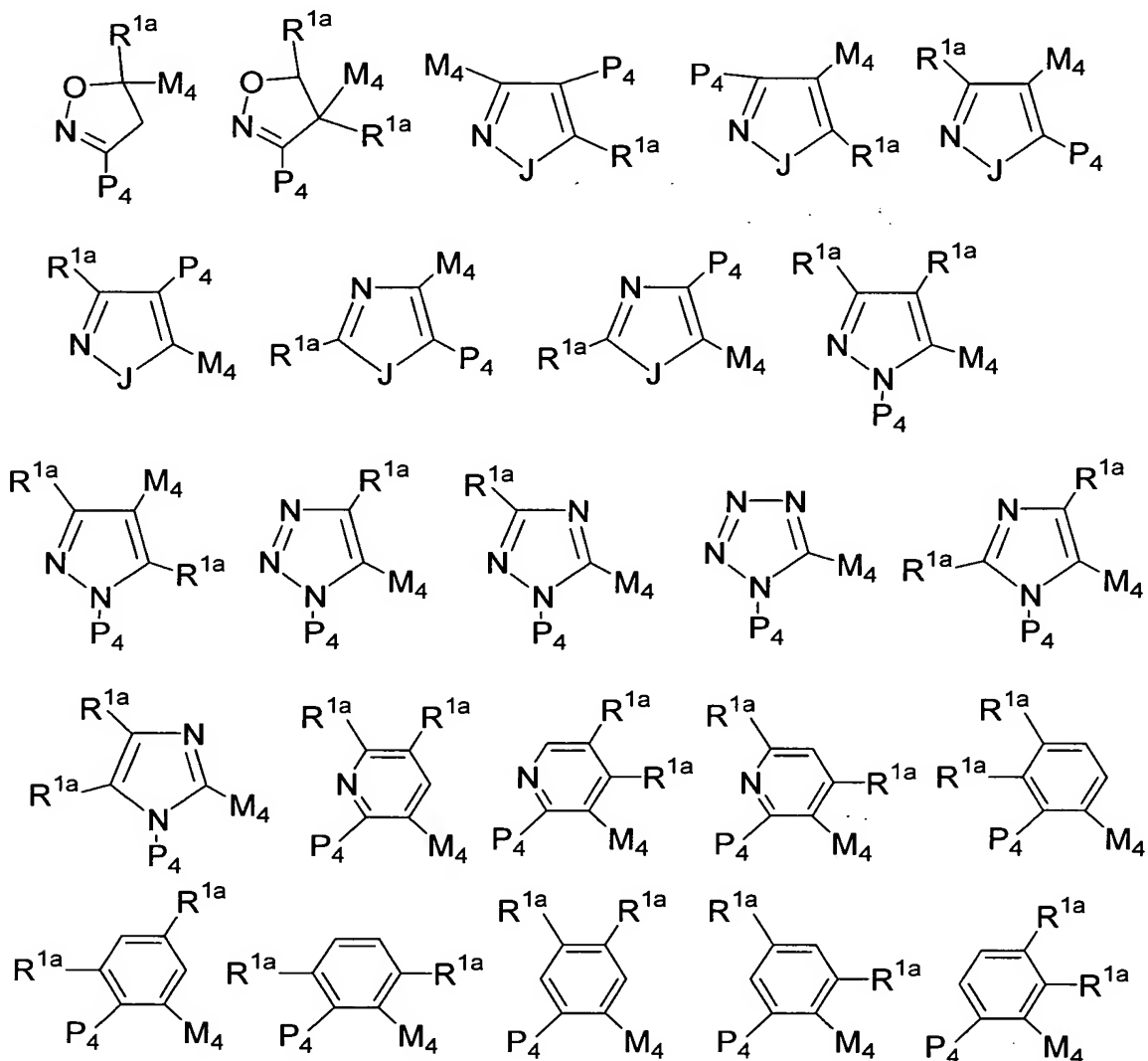
- R^{4a} , at each occurrence, is selected from H, OR^2 , CH_2OR^2 , CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $CH_2CH_2CH_2CH_3$, $CH_2CH(CH_3)_2$, $CH(CH_3)CH_2CH_3$, $C(CH_3)_3$, NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2c}$, $NR^2C(O)R^{2b}$, $C(O)NR^2R^{2a}$, $SO_2NR^2R^{2a}$, $NR^2SO_2R^5$, phenyl substituted with 0-1 R^5 , and a 5-6 membered heterocycle
 20 consisting of: carbon atoms and 1 heteroatom selected from the group consisting of N, O, and $S(O)_p$ and substituted with 0-1 R^5 ;

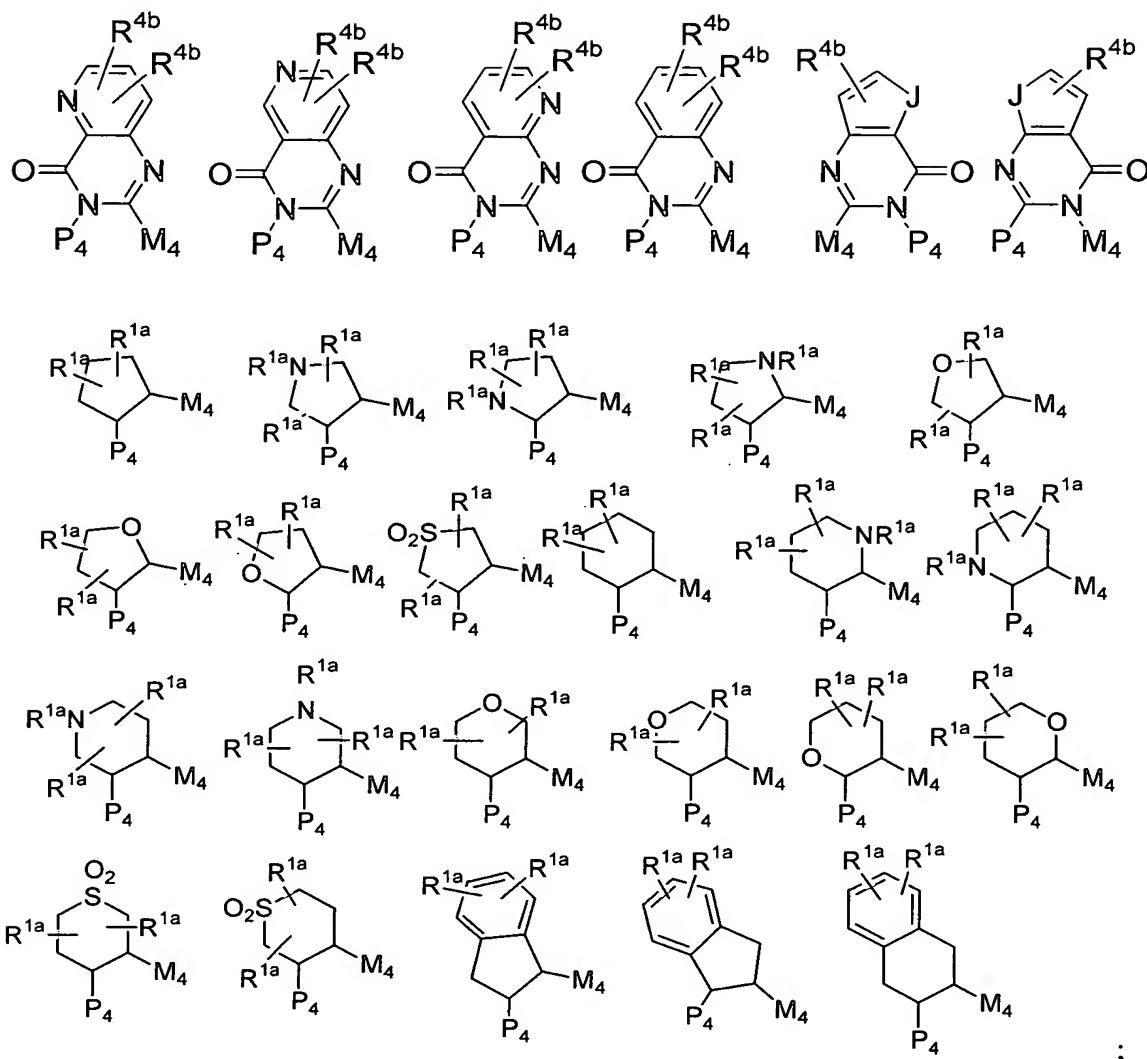
- R^{4b} , at each occurrence, is selected from H, $=O$, OR^3 , CH_2OR^3 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, $-CN$, NO_2 , NR^3R^{3a} , $CH_2NR^3R^{3a}$, $C(O)R^3$, $C(O)OR^{3c}$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, $NR^3SO_2-C_{1-4}$ alkyl,
 25 NR^3SO_2 -phenyl, $S(O)_p-C_{1-4}$ alkyl, $S(O)_p$ -phenyl, and CF_3 ;

R^5 , at each occurrence, is selected from H, $=O$, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, OR^3 , NR^3R^{3a} , $C(O)R^3$, $NR^3C(O)R^{3a}$, $C(O)NR^3R^{3a}$, $SO_2NR^3R^{3a}$, and phenyl substituted with 0-2 R^6 ; and,

R^6 , at each occurrence, is selected from H, OH, OR^2 , F, Cl, CH_3 , CH_2CH_3 , $CH_2CH_2CH_3$, $CH(CH_3)_2$, -CN, NO_2 , NR^2R^{2a} , $CH_2NR^2R^{2a}$, $C(O)R^{2b}$, $CH_2C(O)R^{2b}$, $NR^2C(O)R^{2b}$, and $SO_2NR^2R^{2a}$.

- 5 12. A compound according to Claim 11, wherein the compound is selected from:



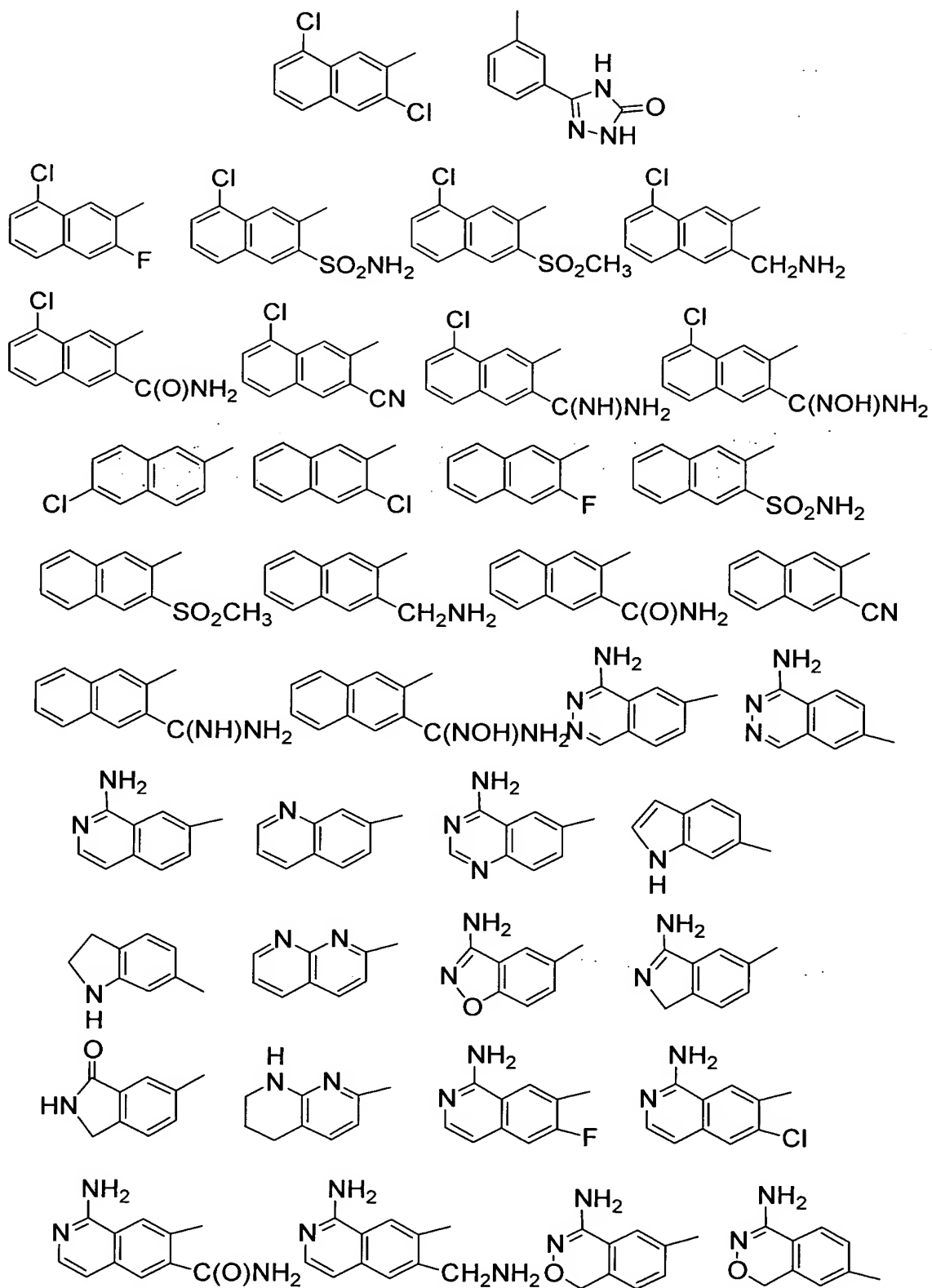


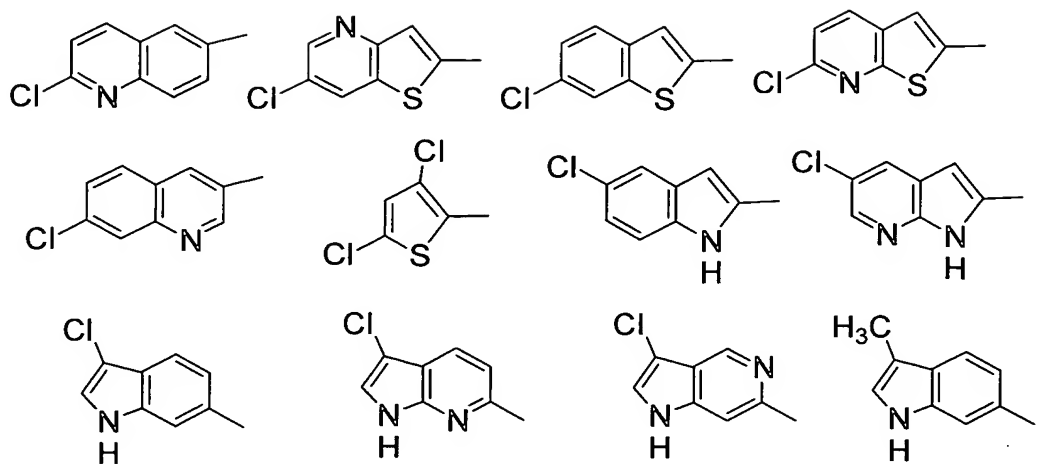
J is selected from O, S, NH, and NR^{1a};

5 P₄ is -G;

M₄ is -Z-A-B;

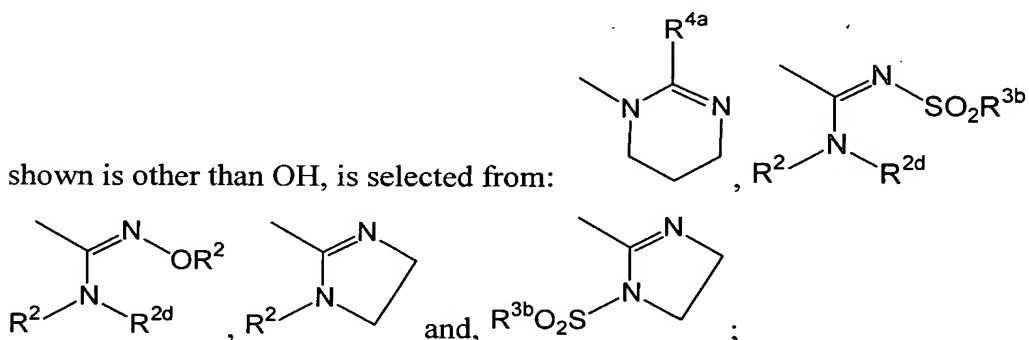
[00674] G is selected from: 2-amido-4-methoxy-phenyl, 2-amido-phenyl,
 2-aminomethyl-3-fluoro-phenyl, 2-aminomethyl-4-fluoro-phenyl,
 2-aminomethyl-5-fluoro-phenyl, 2-aminomethyl-6-fluoro-phenyl,
 10 2-aminomethyl-phenyl, 2-amino-pyrid-4-yl, 2-aminosulfonyl-4-methoxy-pheny,
 2-aminosulfonyl-phenyl, 3-amido-phenyl, 3-amino-4-chloro-phenyl,
 3-aminomethyl-phenyl, 3-chloro-phenyl, 4-chloro-phenyl, 4-methoxy-phenyl,
 5-chloro-pyrid-2-yl, 5-chloro-thien-2-yl, 6-amino-5-chloro-pyrid-2-yl,
 6-amino-pyrid-2-yl,





A is selected from the group: cyclohexyl, piperidinyl, indolyl, phenyl, 2-pyridyl, 3-pyridyl, 2-pyrimidyl, 2-Cl-phenyl, 3-Cl-phenyl, 2-F-phenyl, 3-F-phenyl, 2-methylphenyl, 2-aminophenyl, and 2-methoxyphenyl;

5 B, provided that Z and B are attached to different atoms on A and that the R^{4a}



alternatively, NR^2R^{2d} combines to form a ring selected from morpholine, piperazine, piperidine, and pyrrolidine;

10 R^{1a} , at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH₂F, CH₂Cl, Br, CH₂Br, -CN, CH₂CN, CF₃, CH₂CF₃, OCH₃, CH₂OH, C(CH₃)₂OH, CH₂OCH₃, NH₂, CH₂NH₂, NHCH₃, CH₂NHCH₃, N(CH₃)₂, CH₂N(CH₃)₂, CO₂H, COCH₃, CO₂CH₃, CH₂CO₂CH₃, SCH₃, CH₂SCH₃, S(O)CH₃, CH₂S(O)CH₃, S(O)₂CH₃, CH₂S(O)₂CH₃, C(O)NH₂, CH₂C(O)NH₂, SO₂NH₂,
 15 CH₂SO₂NH₂, NHSO₂CH₃, CH₂NHSO₂CH₃, pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyridin-2-yl-N-oxide, pyridin-3-yl-N-oxide, pyridin-4-yl-N-oxide, imidazol-1-yl, CH₂-imidazol-1-yl, 4-methyl-oxazol-2-yl, 4-N,N-dimethylaminomethyl-oxazol-2-yl, 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-5-yl, CH₂-1,2,3,4-tetrazol-1-yl, and CH₂-

1,2,3,4-tetrazol-5-yl, provided that R^{1a} forms other than an N-halo, N-S, or N-CN bond;

R², at each occurrence, is selected from H, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, phenyl substituted with 0-1 R^{4b}, benzyl substituted with 0-1 R^{4b}, and 5 membered aromatic heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)_p and substituted with 0-1 R^{4b};

R^{2a}, at each occurrence, is selected from H, CH₃, and CH₂CH₃;

alternatively, NR²R^{2a} forms a 5 or 6 membered saturated, partially saturated, or unsaturated ring substituted with 0-1 R^{4b} and consisting of: carbon atoms, the nitrogen atom to which R² and R^{2a} are attached, and 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)_p;

R^{2b}, at each occurrence, is selected from OCH₃, OCH₂CH₃, CH₃, and CH₂CH₃;

R^{2c}, at each occurrence, is selected from OH, OCH₃, OCH₂CH₃, CH₃, and CH₂CH₃;

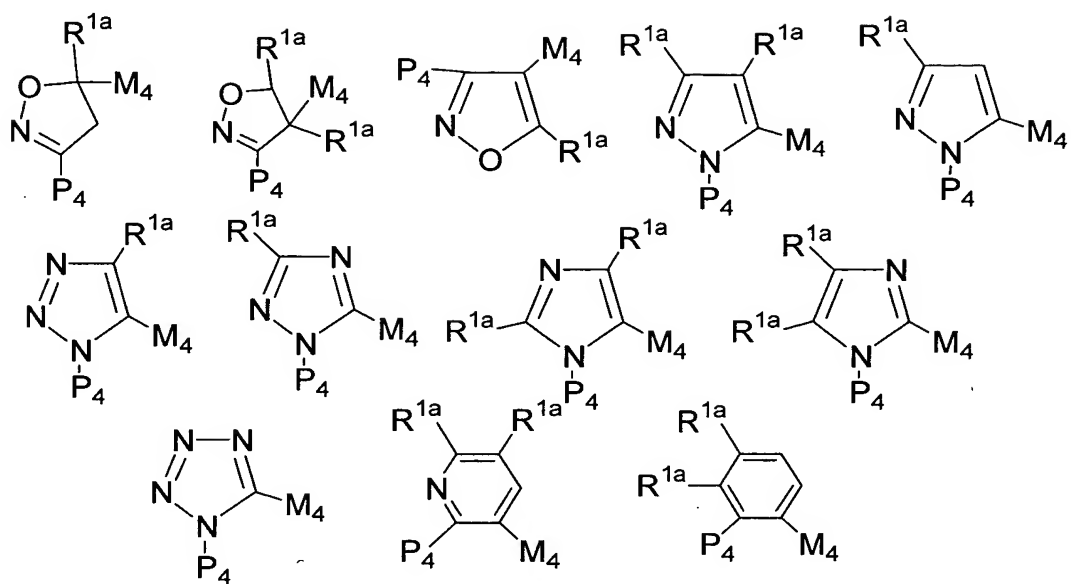
R^{2d}, at each occurrence, is selected from H, CH₃, CH₂CH₃, OCH₃;

R^{4a}, at each occurrence, is selected from H, OCH₃, CH₃, CH₂CH₃, CH₂CH₂CH₃, CH(CH₃)₂, NR²R^{2a}, NR²C(O)R^{2b}, NR²SO₂R⁵, phenyl, 2-oxo-pyrrolidinyl, and 2-oxo-piperidinyl;

R^{4b}, at each occurrence, is selected from H, =O, OR³, CH₂OR³, F, Cl, CH₃, CH₂CH₃, NR³R^{3a}, CH₂NR³R^{3a}, C(O)R³, C(O)OR^{3c}, NR³C(O)R^{3a}, C(O)NR³R^{3a}, SO₂NR³R^{3a}, NR³SO₂-phenyl, S(O)₂CH₃, S(O)₂-phenyl, and CF₃.

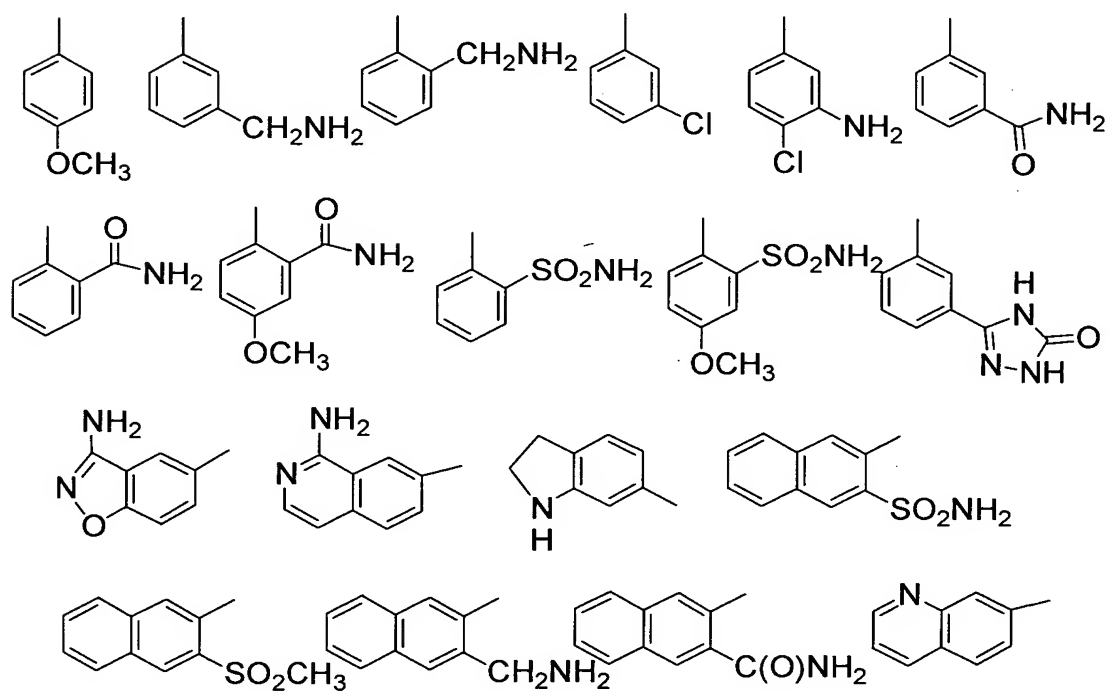
R⁵, at each occurrence, is selected from CH₃ and CH₂CH₃.

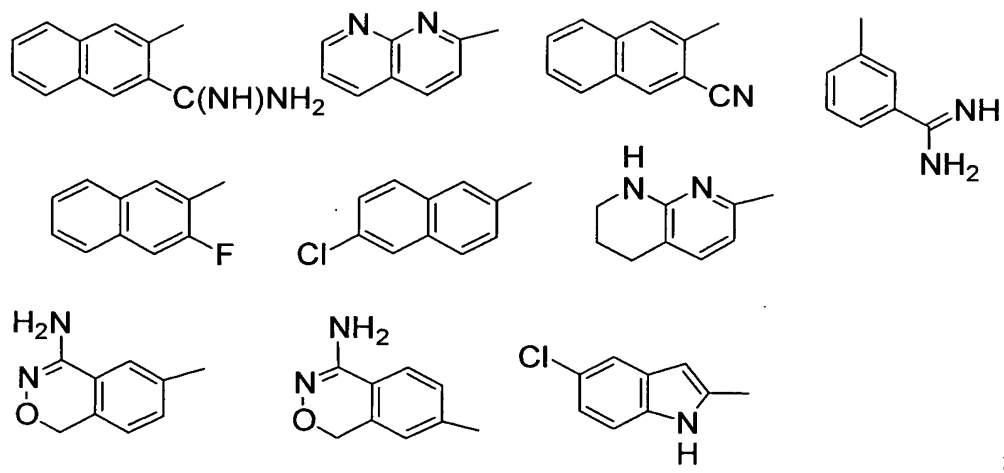
13. A compound according to Claim 12, wherein the compound is selected from:



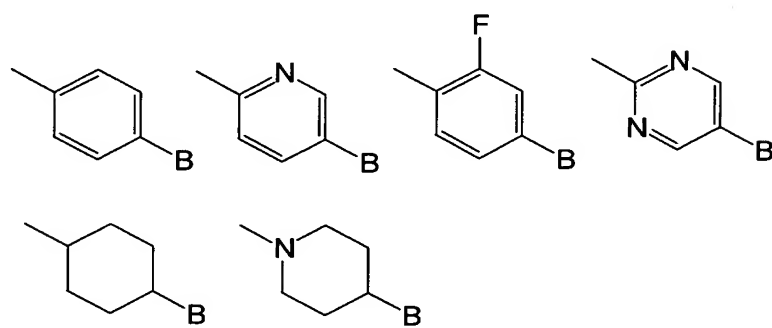
;

G is selected from:



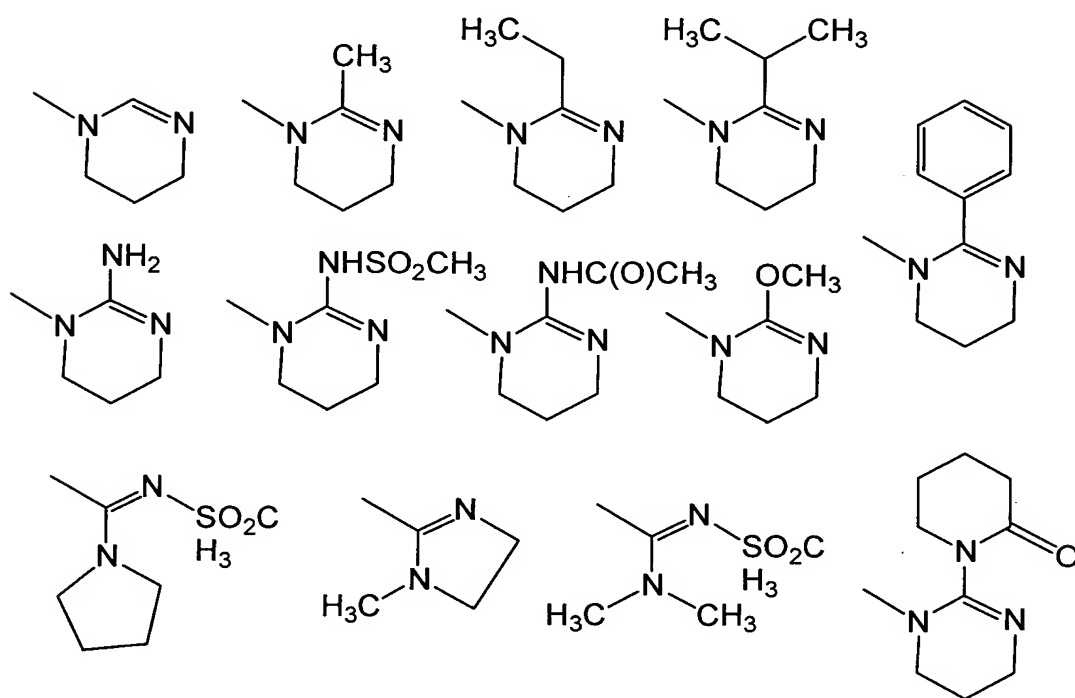


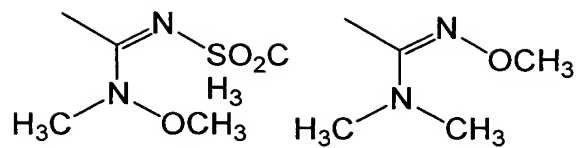
A is selected from:



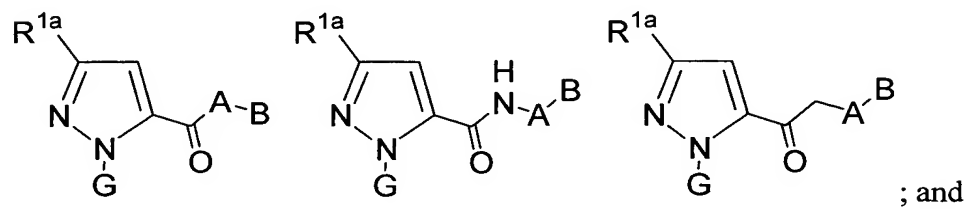
; and

B is selected from:





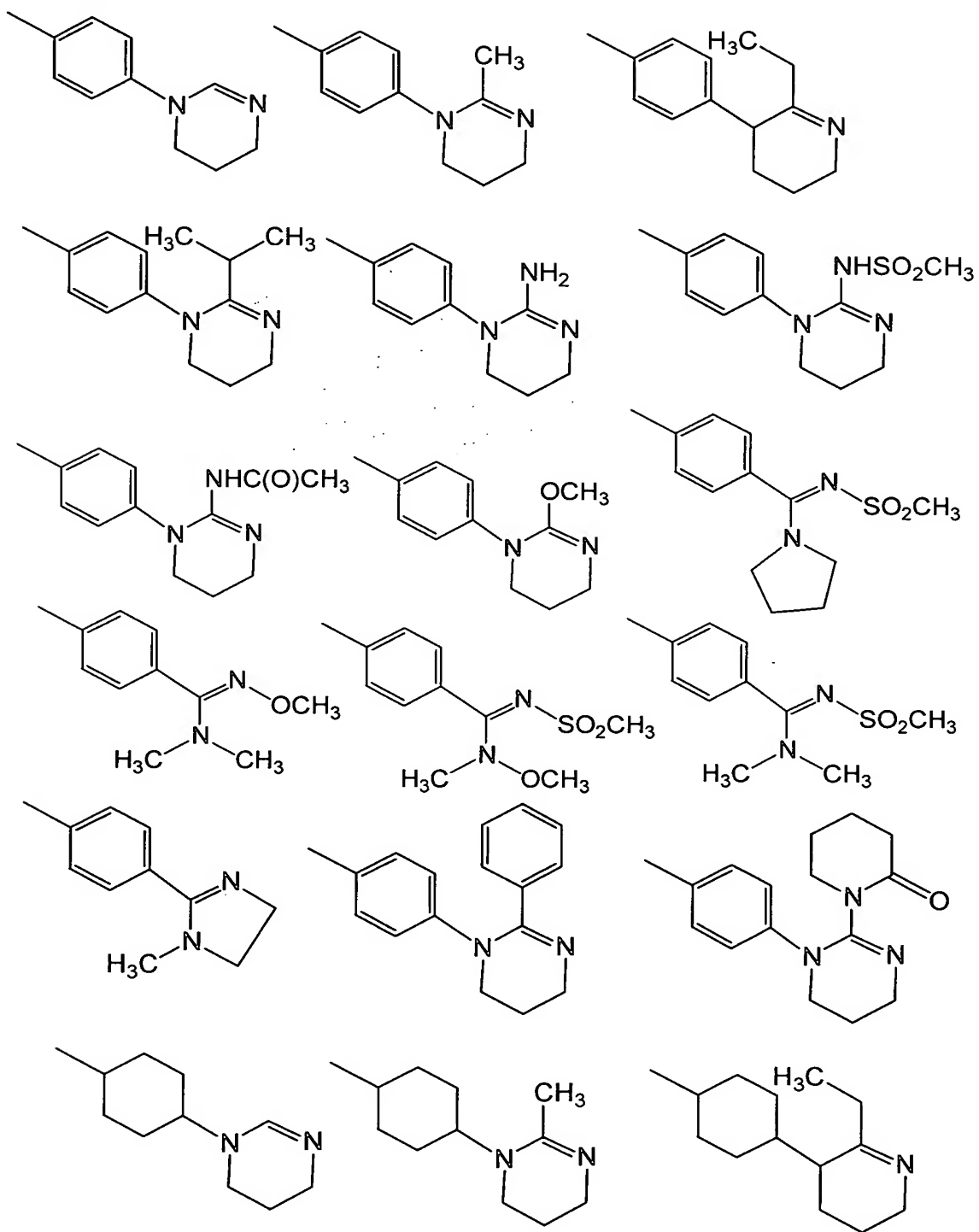
14. A compound according to Claim 13, wherein the compound is selected from:

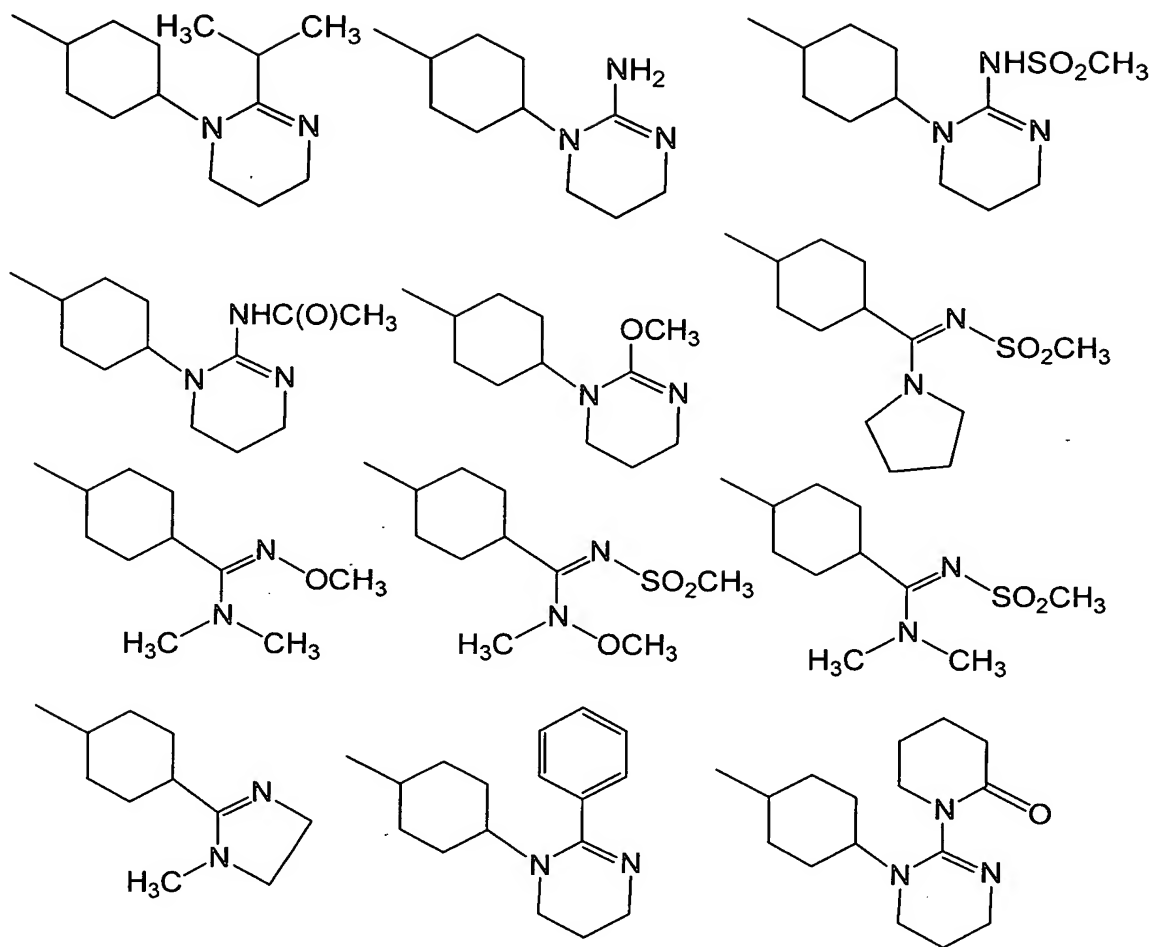


5

; and

A-B is selected from:





15. A compound according to Claim 1, wherein the compound is selected
- 5 from the group:
- 5-chloro-*N*-(5-chloropyridin-2-yl)-2-[(4-{(Z)-
(dimethylamino)[(methanesulfonyl)imino]methyl}benzoyl)amino]benzamide;
N-(5-chloropyridin-2-yl)-2-[(4-{(Z)-(dimethylamino)
 10 [(methanesulfonyl)imino]methyl}benzoyl)amino]-5-methoxybenzamide;
 (1*R*, 2*S*)-3-chloro-1*H*-indole-6-carboxylic acid {2-[4-(*N,N*-dimethyl-*N'*-
 (methanesulfonyl)carbamimidoyl)-benzoylamino]-cyclohexyl}-amide;
 pyrrolidine-1,2-dicarboxylic acid 1-[(4-chloro-phenyl)-amide] 2-{[4-
 (methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide};
 (R)-*N*2-(4-(*N,N*-dimethyl-*N'*-(methanesulfonyl)carbamimidoyl)phenyl)-*N*1-(4-
 15 chlorophenyl)pyrrolidine-1,2-dicarboxamide;

- (R)-pyrrolidine-1,2-dicarboxylic acid 1-[(3-chloro-1H-indol-6-yl)-amide] 2-{[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};
- (R)-pyrrolidine-1,2-dicarboxylic acid 1-[(5-chloro-thiophen-2-yl)-amide] 2-{[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};
- 5 (R)-pyrrolidine-1,2-dicarboxylic acid 1-[(6-chloro-pyridin-3-yl)-amide] 2-{[4-(dimethylamino-methanesulfonylimino-methyl)-phenyl]-amide};
- (Z)-5-chloro-thiophene-2-carboxylic acid {3-[4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-2-oxo-oxazolidin-5-ylmethyl}-amide;
- N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-5-chlorothiophene-2-carboxamide;
- 10 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-3-chloro-1H-indole-5-carboxamide;
- N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-6-chloro-1H-indole-2-carboxamide;
- 15 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-4-chlorobenzamide;
- N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-3-chloro-1H-indole-6-carboxamide;
- N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-6-chloro-2-naphthamide;
- 20 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-6-chlorobenzo[b]thiophene-2-carboxamide;
- N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-5-chlorobenzo[b]thiophene-2-carboxamide;
- 25 N-((3-(4-(N,N-dimethyl-N'-(methylsulfonyl)carbamimidoyl)phenyl)-2-oxooxazolidin-5-yl)methyl)-5-chlorothieno[3,2-b]pyridine-2-carboxamide;
- 2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide;
- 2-(4-methoxy-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide;
- 30 2-(3-aminomethyl-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide; and

2-(3-aminomethyl-4-fluoro-phenyl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(methanesulfonylimino-pyrrolidin-1-yl-methyl)-phenyl]-amide; or a pharmaceutically acceptable salt form thereof.

5 16. A compound according to Claim 1, wherein the compound is selected from the group:

N-hydroxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

10 N-hydroxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-methoxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-methoxy-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

15 4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;

20 6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(imino-piperidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-[4-(imino-morpholin-4-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

25 4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-ethyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

30 N,N-diethyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-benzamidine;

N-benzyl-4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N-methyl-benzamidine;

- 6-[4-(N,N-dimethyl-carbamimidoyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 5 4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;
- 6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 10 4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;
- 6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 6-[4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-3-isopropenyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 4-[3-isopropenyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;
- 4-[1-(3-aminomethyl-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;
- 4-[1-(3-aminomethyl-4-fluoro-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-N,N-dimethyl-benzamidine;
- 20 2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(N,N-dimethyl-carbamimidoyl)-phenyl]-amide;
- 2-(3-amino-benzo[d]isoxazol-5-yl)-5-trifluoromethyl-2H-pyrazole-3-carboxylic acid [4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-amide;
- 25 2-(3-amino-benzo[d]isoxazol-5-yl)-5-methyl-2H-pyrazole-3-carboxylic acid [4-(N,N-dimethyl-carbamimidoyl)-phenyl]-amide;
- 2-(3-amino-benzo[d]isoxazol-5-yl)-5-methyl-2H-pyrazole-3-carboxylic acid [4-(imino-pyrrolidin-1-yl-methyl)-phenyl]-amide;
- 30 6-[4-(imino-isoxazolidin-2-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one; and

6-[4-(imino-isoxazolidin-2-yl-methyl)-phenyl]-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one; or a pharmaceutically acceptable salt form thereof.

5 17. A pharmaceutical composition, comprising: a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of Claim 1 or a pharmaceutically acceptable salt form thereof.

10 18. A method for treating a thromboembolic disorder, comprising:
administering to a patient in need thereof a therapeutically effective amount of a compound of Claim 1 or a pharmaceutically acceptable salt form thereof.

15 19. A method according to Claim 18, wherein the thromboembolic disorder is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, and thromboembolic disorders in the chambers of the heart.

20 20. A method according to Claim 18, wherein the thromboembolic disorder is selected from unstable angina, an acute coronary syndrome, first myocardial infarction, recurrent myocardial infarction, ischemic sudden death, transient ischemic attack, stroke, atherosclerosis, peripheral occlusive arterial disease, venous thrombosis, deep vein thrombosis, thrombophlebitis, arterial embolism, coronary arterial thrombosis, cerebral arterial thrombosis, cerebral embolism, kidney embolism, pulmonary embolism, and thrombosis resulting from (a) prosthetic valves or other
25 implants, (b) indwelling catheters, (c) stents, (d) cardiopulmonary bypass, (e) hemodialysis, or (f) other procedures in which blood is exposed to an artificial surface that promotes thrombosis.

30 21. A method for treating a thromboembolic disorder, comprising:
administering to a patient in need thereof a therapeutically effective amount of a first and second therapeutic agent, wherein the first therapeutic agent is compound of Claim 1 or a pharmaceutically acceptable salt thereof and the second therapeutic agent

is at least one agent selected from a second factor Xa inhibitor, an anti-coagulant agent, an anti-platelet agent, a thrombin inhibiting agent, a thrombolytic agent, and a fibrinolytic agent.